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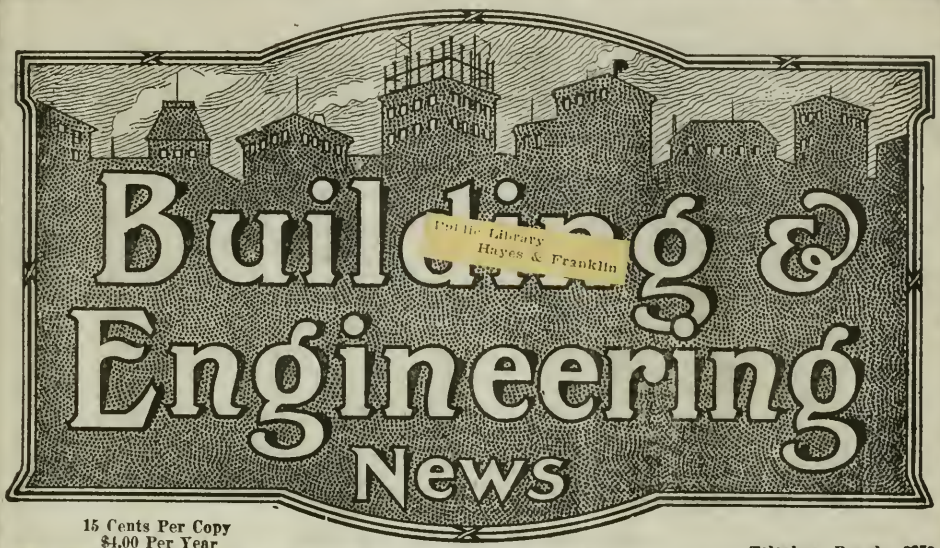


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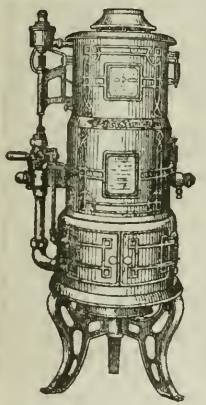

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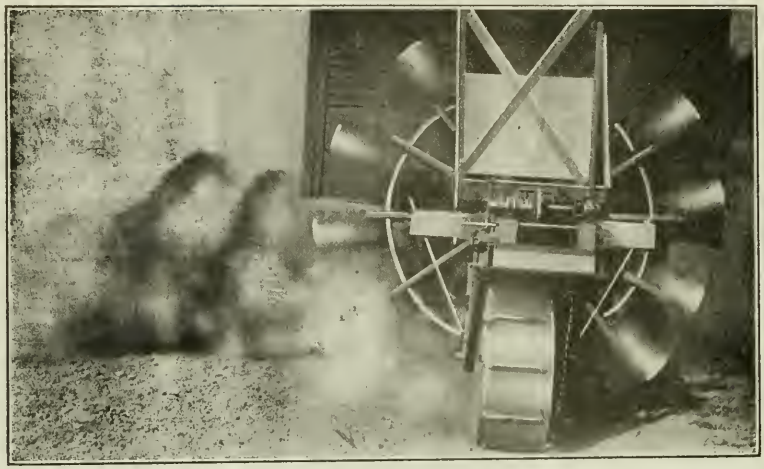

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J. P. FARRELL.....Exchange Editor

# American Association of Engineers

### NEWS FROM NATIONAL HEADQUARTERS.

The American Association of Engineers wishes the editors of the technical press and of the lay press, who have received this bulletin, the members of the news committees of the chapters and clubs of the Asociation, and the officers of the chapters, clubs and sections a Happy New Year and the greatest prosperity during 1920.

The Assocaition takes this means of expressing its appreciation to every one who has contributed to its development during the past year for their co-operation and assistance.

The year 1920 will be a year of greater service.

## *County Road Improvements in California.*

**Ventura County Good Roads Bond Issue.**

Year of issue—1915.
Amount of issue—$1,000,000.
Length of issue—30 years.
Miles of road improved—105.
Miles of concrete roads—105.
Miles of asphalt on concrete base—
Miles of Topeka on concrete base—
Miles of bitulithic on concrete base—
Miles of Topeka on bituminous base—
Miles of bitulithic on bituminous base—
Miles of oil macadam—
Miles of water bound macadam—
Bridges built as part of bond issue—4 large bridges costing $76,500.

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—Surfacing of concrete is being done from general fund of the county. To date the following surfacing has been done: 8 miles oil and rock, ¾-inch thick; 20 miles bitucrete, ½-inch thick; 56 miles Topeka, 1-inch thick.

CHAS. W. PETIT,
County Engineer.

**Stanislaus County Good Roads Bond Issue.**

Year of issue—Nov. 1916.
Amount of issue—$1,482,000.00.
Length of issue—32 years.
Miles of roads improved—126.14.
Miles of plain concrete roads—126.14.
Miles of asphalt on concrete base—None.
Miles of Topeka on concrete base—None.
Miles of bitulithic on concrete base—None.
Miles of Topeka on bituminous base—None.
Miles of bitulithic on bituminous base—None.
Miles of oil macadam—None
Miles of water bound macadam—None.
Bridges built as part of bond issue—None.

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—95.54 miles 16 feet in width, 4 inches thick; 30.60 miles 12 feet in width, 4 inches thick; 108.14 miles completed by contract; 18.00 miles completed by day labor. Entire mileage completed Sept. 8, 1919.

Yours truly,
J. H. HOSKINS,
County Surveyor Stanislaus Co.

**Merced County Good Roads Bond Issue.**

Year of Issue—1918.
Amount of issue—$1,250,000.
Length of issue—32 years, 5%.
Miles of roads improved—Construction work just beginning.
Miles of oiled concrete roads; miles of asphalt on concrete base; miles of Topeka on concrete base; miles of bitulithic on concrete base; miles of Topeka on bituminous base; miles of bitulithic on bituminous base; miles of oil macadam; miles of water bound macadam—All to be concrete roads 16 feet wide, 5 inches or thicker, 1-2-4 concrete. Surfacing to be done later.
Bridges built as part of bond issue—None.

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done. Bridges now under contract on highways from general fund, $130,000.

O. E. COWELL,
County Engineer.

**Fresno County Good Roads Bond Issue.**

Year of issue—1919.
Amount of issue—$4,500,000.
Length of issue—40 years.
Miles of road improved; miles of oiled concrete roads; miles of asphalt on concrete base; miles of Topeka on concrete base; miles of bitulithic on concrete base; miles of Topeka on bituminous base; miles of bitulithic on bituminous base; miles of oil macadam; miles of water bound macadam; bridges built as part of bond issue—Work just about to start, first bids to be opened Oct. 17, 1919.

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—270 miles contemplated.

CHRIS. P. JENSEN,
Ch. Eng.

**Santa Cruz County Good Roads Bond Issue.**

Year of issue—1919.
Amount of issue—$924,000.
Length of issue—20 years.
Miles of roads to be improved—39.1.
Miles of concrete roads—39.1.
Miles of asphalt on concrete base—
Miles of Topeka on concrete base—None.
Miles of bitulithic on concrete base—None.
Miles of Topeka on bituminous base—None.
Miles of bitulithic on bituminous base—None.
Miles of oil macadam—None.
Miles of water bound macadam—None.
Bridges built as part of bond issue—None.

Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—

### PROMISING OUTLOOK FOR 1920.

Never before in the history of the building business of the entire country were prospects brighter nor more encouraging (in spite of the high cost of labor and materials) than at the present moment.

When the war closed we found ourselves confronted with the fact that the whole country was behind in its building program for about two years, due to the restrictions imposed by the government, no building being allowed except for war purposes. All private construction work being held up.

We also found ourselves confronted with high prices for all commodities, which had a tendency to retard active building for a brief time; pessimism abounded. The cry went up, "we can't build until prices come down."

The Bay Cities were the first to start a campaign to "build now," to dispell the glooms. At that time, building materials were about the cheapest thing in the country.

This journal consistently advocated the immediate resumption of building, claiming that prices would not be lowered. How true our contention at that time proved to be, is born out by latter facts. Those who waited for prices to come down, waited in vain and have had to pay for their folly.

It was inevitable that prices of building materials should reach the level of other commodities. Rents all over the country have taken a sharp turn to higher levels.

There is building everywhere from coast to coast, the only handicap being the inability of manufacturers to supply the raw materail. To meet the pressing needs of more housing room, a greater number of buildings must be erected in 1920 than were erected in 1919.

## LATIN AMERICAN TRADE NOTES.

[File numbers cited refer to reserved information or trade lists which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or co-operative offices.]

**Flour-Mill Machinery Desired in Brazil**

A local campany, now being formed in the State of Rio Grande do Sul, Brazil, desires a definite estimate on a 75-barrel capacity mill for producing wheat flour. This opening, if followed up properly, ought to lead to the sale of other flour mills of small capacity. (Refer to file No. L. A. 30 for name of company and its requirements.)

**Opportunity for Road-Making Machinery in Colombia.**

Trade Commissioner Bell reports that the Department of El Valle, in Colombia, is at present actively engaged in improving and extending its system of wagon roads. The officials of this Department would be interested in the purchase of two complete modern road-making outfits, such as plows, surface scrapers, medium-sized gas tractors, and small rock crushers operated by gasoline engines. Instructions for making proposals on this equipment will be furnished by reference to file No. L. A. 29.

**Market for Belting in Mexico.**

Although there are few factories in the Ciudad Juarez consular district, there is considerable demand for rubber, leather, and canvas belting, and purchasing agents of local shops and mills would welcome quotations from American manufacturers. Quotations and descriptive literature may be in Spanish or English. As a rule, sales made to establishments in the district are consigned to their brokers at El Paso for passage to Mexico. (Refer to file No. L. A. 23 for list of purchasing agents.)

**New Department Store for Buenos Aires, Argentina.**

"Everything under one roof' will be the motto of the new department store which Harrod's, of London, is to build to take the place of their old store in Buenos Aires. It is to be three times the size of the present place, being eight floors in height and occupying nine acres of land. Work has already begun, and the first section of the new establishment is expected to open in about a year, while it is hoped that the entire premises will be in working order within 18 months. After the realization of their present undertaking, it is Harrod's plan to establish a chain of stores throughout Argentina similar to those which they are now operating in English cities.

**Port Works in Antofagasta, Chile.**

According to the Amerclan vice consul at Antofagasta, Chile, the contract for the harbor improvement works in that city has been awarded by the Chilean Government to a native construction company. Orders have been placed for the construction machinery, and up to the present time 4,000,000 pesos ($800,000 United States currency) has been expended for machines, cranes, boats, and tugs, the slow delivery of which is causing delay in the progress of the work, which is already well under way. The Government has set the expense limit for the entire project at 1,700,000 pounds sterling, approximately $22,666,666 Chilean gold (a Chilean gold peso normally equals 18 pence). (Refer to file No. L. A. 25 for the name and address of the construction company awarded the contract.)

## BUILDING BOOM IMPENDING.

**The Country Needs and Must Have More Housing Accommodations.**

In the opinion of S. W. Straus & Co. —and none are in a better position to judge—the coming year will see the greatest building boom the country has ever had. The reasons are obvious. An increasing population, which is continually devising new lines of production, needs more housing accommodations, and must have them.

Owing to the enforced cessation of building, we are far below the normal. The situation has naturally resulted in a rapid increase of rentals for the buildings in existence, but that does not make good the lack of space. It means more crowding in dwellings and offices, and insufficient, ill-arranged and unsuitable factory space.

It will not pay to allow that situation to continue. Whoever needs space will have to pay what will justify the cost of producing it, and that is now recognized and accepted. And that increased cost will be distributed among all who use the buildings or products produced or sold in them.

For a time there was a disposition to delay building in expectation of lower costs. No one any longer has "expectation" of any kind in respect to future costs. They will be what they will be, and in any event we must have the buildings. In Washington rents are so high that they are talking of sending landlords to jail. We hope they will not, for nothing else would do so much to discourage building. Nobody will build a house, except for his own use, if he is to be sent to jail for collecting rents to give fair returns on its cost. The way to reduce rents is to build more structures.

And there seems no difficulty whatever in any American city in renting or selling structures on the basis of present costs of construction. There is none in San Francisco. And the structures already in existence are rapidly coming to rent on the basis of the cost of reproduction less depreciation.

The fact is that land and buildings seem likely to cost more rather than less, and if anyone intends or desires to build, the quicker he gets at it the better for him.—S. F. Chronicle.

## BUSINESS BOOM WILL CONTINUE, CHAMBER SAYS.

**End-of-the-Year Review of Commerce Body Forecasts Activity.**

WASHINGTON, December 31.—Continued industrial activity is predicted by the committee on statistics of the Chamber of Commerce of the United States in its annual end-of-the-year review of business and crop conditions. Manufacturers, the report said, have orders in excess of their capacity, and in the retail trade there is a feeling of confidence of the continuation until another harvest at least of the demand for all classes of commodities.

Farmers are reported unusually prosperous because of the high prices of their products. The liberal spending of the farmers, the review asserted, is the backbone and sustaining power of the present volume of business throughout the country, as they are paying mostly cash and are purchasing more improved farm machinery and pure-bred live stock than ever before.

Of the general crop situation, the report stated that rain did much damage to unharvested crops in the South and in the southern portion of some of the central states, reducing the yield and impairing quality. Winter wheat acreage will be materially reduced this fall, the report said, as the farmers believed winter wheat production at high prices was over for the present.

"Great activity in building" the committee added, "is reported in sections, except where crop failures were extensive, copper mining is in a poor state, silver mining is doing well, oil production is good."

## CITY MANAGERS.

The movement in favor of the city manager plan of municipal government, which has found favor in numerous places, has not yet shown any marked results in the matter of developing high grade specialists in municipal administration, if we may judge from the complaints expressed in Akron, O., whose offer of a $10,000 salary for a chief administrator has failed to bring to the front candidates adjudged to be above mediocre grade.

A desire was manifested in favor of getting the best man that could be found for the position, and to that end the salary was placed at what was considered a high figure and a special committee named to canvass the field and examine qualifications. The leaders in the movement did not care where their administrator came from, so long as he measured up to the standard.

It is one of the principal theories in connection with this form of commission government that a city manager, one commanding authority as an expert administrator, could apply his talents in any local field with successful results. It was believed that the advancement of the city manager plan would result in stimulating interest in this direction graduating men of local distinction into a class of eagerly sought administrators and attracting men of capacity and talent to a field of service where the public interest calls more and more for executives of character and efficiency.

Whether the theories on which the city manager plan has found preferment are to some extent impractical been struck in the endeavor to awaken public recognition of its merits and possibilities is not clearly established. —Springfield Union.

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES.

Plans Being Prepared. Ready for Figures in About a Week.
APARTMENTS Cost, $30,000
SAN FRANCISCO. W Leavenworth S Sutter Street.
Four-story and basement Class "C" apartments (6 3 and 4-room apts).
Owner—Ralph Brown.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Plans Being Prepared. Ready for Segregated Figures in About a Week.
APARTMENTS Cost, $——
SAN FRANCISCO. SE Sutter and Leavenworth Streets.
Six-story and basement Class "C" apartments (33 3-room apts.)
Owner—M. A. Little.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $12,000
MODESTO, Stanislaus Co., Cal. Fourteenth and "K" Streets.
Two-story frame and stucco apartments, 32x58 (4 4-room apts.)
Owner—Mrs. C. F. Marshall, Modesto.
Architect—None.
Contractor—Randolph & Ward, Modesto.

Plans Being Prepared.
APARTMENTS Cost, $——
TAFT, Kern Co., Cal.
Two-story frame apartment house (16 2-room apts.)
Owner—Taft Investment Co.
Architects—Wiseman & Biggar, Morgan Bldg., Bakersfield.

Plans Being Prepared.
ALTERATIONS Cost, $12,000
SAN FRANCISCO. Clay Street Near Larkin.
Alter three-story frame flats into 12 apartments.
Owner—Withheld.
Architect—A. W. Burgren, 661 Phelan Bldg., San Francisco.

Plans Prepared.
ALTERATIONS Cost, $50,000
SALINAS, Monterey Co., Cal.
Extensive alterations to store and theatre building for apartments (install new store fronts).
Owner—A. Lofkas.
Engineers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Plans Being Prepared.
APARTMENTS, ETC. Cost, $40,000
SAN JOSE, Santa Clara Co., Cal. South First Street.
Two-story garage and apartments (8 apts.)
Owner—E. F. Reichman.
Engineers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

SAN JOSE, Santa Clara Co., Cal.—F. R. Shafter, Stevens Creek Road, San Jose, has purchased the lot at the northwest corner of Second and San Salvador streets and plans the erection of a modern apartment house. The site is 100 by 137 feet in size.

SANTA CRUZ, Santa Cruz Co., Cal.—A. C. Rennie, Beach Hill, Santa Cruz, has petitioned the City Council to complete the Beach Hill street improvement as he intends to commence construction of a modern apartment house in that distirct.

### BANKS

Plans Ready for Figures Next Week.
BANK BUILDING Cost, $75,000
SANTA ROSA, Sonoma Co., Cal. Fourth Street and Exchange Avenue.
One-story brick and terra cotta bank building.
Owner—Savings Bank of Santa Rosa, Premises.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Steel Contract Awarded.
BANK BLDG. Cost, $300,000 or more
SAN FRANCISCO. W Montgomery St. bet. Post and Sutter, adj. First National Bank Bldg.
Two and three-story and basement Class "A' bank and office building.
Owner—First Federal Trust Co., and First National Bank.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—J. E. Scully, Flood Bldg., San Francisco.
The Central Iron Works has been awarded the contract for the steel.

### BONDS

HILLSBOROUGH, San Mateo Co., Cal.—Bonds of $15,000 have been voted for the purchase of fire fighting equipment.

BERKELEY, Alameda Co., Cal.—Offering a premium of $10,506, the McDonnell Co., of San Francisco, was awarded the purchase of the $500,000 bond issue of the Berkeley High School District.

SUSANVILE., Lassen Co., Cal. — Bonds of $75,000 with which to finance construction of an adition to the present high school building have been voted.

Plans for the work have been prepared by Architect Ralph D. Taylor of Susanville. David M. Durst is principal of the Susanville High School.

ALTURAS, Modoc Co., Cal.—The supervisors have sold the $400,000 county highway bond issue to the Anglo-California Bank of San Francisco. Proceeds of the sale will finance the construction of county highways.

BAKERSFIELD, Kern Co., Cal.—January 31st is the date set by the Board of Education to decide the question of issuing and selling bonds of $300,000 with which to relieve congestion in the elementary schools by constructing new buildings and making additions to the standing structures.

FAIR OAKS, Sacramento Co., Cal.—The Fair Oaks Irigation District has decided to float a bond issue of $20,000 with which to finance the laying of new pipe lines.

G. L. Camden is secretary of the district.

MODESTO, Stanislaus Co., Cal.—Blds will be received by H. Benson, County Clerk, up to January 13th, 10 A. M., for the purchase of school bonds to finance improvements:

Washington School District...$ 2,000
Salida School District.....$16,000
Hughson Union High School District ..... $90,000
Turlock School District.....$89,000

Further information regarding the proposed sale may be had from the County Clerk.

TURLOCK, Stanislaus Co., Cal.—January 9th is the date set to decide the question of issuing and selling bonds of $60,000 with which to finance construction of sewers. An election held on this issue some time ago and which was declared illegal carried.

HANFORD, Kings Co., Cal.—The Supervisors have sold the $115,000 bond issue of the Hanford Grammar School District and the $350,000 bond issue of the Hanford Union High School District.

ROSEVILLE, Placer Co., Cal.—Preparations are being made to call an election to vote bonds of $50,000 for the erection of a new grammar school. It is probable the election will be hald January 31st.

RICHMOND, Contra Costa Co., Cal.—Steps are being taken to call an election to vote bonds of $300,000 with which to finance construction of additional schools, the present structures being inadequate.

CALIPATRIA, Los Angeles Co., Cal.—Bonds to the amount of $40,000 for constructing a city sewer system were authorized at a special election December 16. Edward M. Lynch, Central Bldg., Los Angeles, is the Engineer.

TURLOCK, Stanislaus Co., Cal.—Owing to an error in the recent sewer bond issue it may be necessary to call another election to secure funds to finance construction of work planned under the issue.

### CHURCHES

Plans Being Prepared.
CHURCH Cost, $——
SAN PEDRO, Los Angeles Co., Cal.
Group of brick church buildings.

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### Regular Meetings of the Chapter Monthly.

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

Chapter Office 700 Marston Building 244 Kearny St., San Francisco

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Owner—St. Mary, Star of the Sea. Rev. Father Denso, Pastor.
Architect—Thos. F. Power, 333 Higgins Bldg., Los Angeles.

The group will include a church, rectory, convent, school, and auditorinm. The school building will be the first unit to be erected.

Plans Being Prepared
CHURCH Cost, $100,000
EAST HOLLYWOOD, Los Angeles Co., California.
Church(community center, gymnasium, pool and billiard rooms, etc.)
Owner—St. Mary of the Angels Church Rev. Neal Dodd, Pastor.
Architect—Carlton M. Winslow, Van Nuys Bldg., Los Angeles.

## FACTORIES AND WAREHOUSES.

Contract Awarded. Work Started.
CANNERY PLANT Cost, $——
REDWOOD CITY, San Mateo Co., Cal.
First unit of cannery plant (wood and corrugated iron factory, 165,363) and wood and corrugated iron warehouse, 110x226.
Owner—The Pratt-Low Co., San Jose.
Architect—Not Stated.
Contractor—R. O. Summers, 17 N-First St., San Jose.

Contract Awarded.
WAREHOUSE Cost, $5,287
TURLOCK, Stanislaus Co., Cal. Delhi Colony, 6 miles South of Turlock.
Corrugated iron warehouse, 50x100.
Owner—State Land Settlement Board, Turlock.
Architect—Max E. Cook, Farmstead Engineer, Turlock.
Contractor—Wakefield & Peterson, Turlock.

The only other bidder was J. F. Knapp of Turlock at $5,665. Engineer Cook wishes to receive all trade literature, particularly farm building materials and equipment.

Mr. Cook states that the colony consists of 8,000 acres, six miles south of Turlock, on which it is intended to build approximately 300 farms within the next two years.

To be Done by Days Labor and Sub-Contracts.
WAREHOUSE, ETC. Cost, $100,000
EUREKA, Humboldt Co., Cal. Fourth St., bet. "B" and "C" Streets.
One and two-story reinforced concrete cheese curing and warehouse and office building, 110x240. (The two-story portion will be used for offices, rest rooms, etc.)
Owner—California Central Creameries, Eureka, Cal.
Engineer—H. J. Brunnier, Sharon Bldg. San Francisco.
Superintendent—Mr. Foster.

Mr. Morrison of Eureka, who is the manager for that district, will take all sub-figures and purchase the materials.

Completing Plans. Contract Awarded For Workroom.
WORKROOM Cost, $2,660
WILLOWS, Glenn Co., Cal.
One-story sheet iron workroom (cement floor and foundation).
Owner—Walter V. Crone, Willows, Cal.
Architect—Otto Deichmann, Willows.
Contractor—J. W. Halterman, Willows.

Plans will be ready for figures shortly for a concrete office and salesroom building to face Sycamore.

Plans Being Prepared.
WAREHOUSE Cost, $15,000
NILES, Alameda Co., Cal.
One-story reinforced concrete warehouse
Owner—Schuckle Co.
Engineers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Contracts Awarded.
BOILER HOUSE AND CRANE COST, $——
EUREKA, Humboldt Co., Cal. Near Eureka.
Concrete and steel frame boiler room and fuel house building, 72x208.
Owner—Hammond Lumber Co.
Engineer—H. J. Brunnier, Sharon Bldg San Francisco.
**Steel** awarded to Eureka Boiler Works
**General Contract** to The Englehart Paving & Contracting Co., Eureka.

The Eureka Boiler Works was also awarded the contract for constructing a large cantaliver crane.

Contract Awarded.
CANNERY
SAN JOSE, Cal., Stockton Ave.
Enlarge packing plant, frame cannery bldg. and cooling shed and a 1st reinforced concrete warehouse.
Owner—Richmond-Chase Packing Co. San Jose.
Designer and Contractor—Z. O. Field, 167 S-14th San Jose.

Contract Awarded.
STORAGE PLANT. Cost, $——
HANFORD, King Co., Cal.
Brick and concrete ice storage plant, 70x36.
Owner—Hanford Ice Company.
Architects & Contractors—Trewhitt & Shields Co., Rowell Bldg., Fresno.

TURLOCK, Stanislaus Co., Cal.—The Stanislaus County Fig Growers and the E. C. Braden Co., of Pasadena of which E. C. Braden is President, is planning the erection of a $100,000 packing plant in Stanisluas County to handle next year's crop. It is planned to erect a building 60 by 125 feet, exclusive of storage space.

Braden states the proposed structure has been contemplated for several years and from present indications construction will be started shortly.

Foundation Contract Awarded. Figures to be Taken for General Contract.
SHOP AND SERVICE BUILDING Cost, $20,000 each.
SAN FRANCISCO. SW Juniper and Folsom Streets.
Two one-story steel frame, brick walls and galvanized iron shop and service buildings (about 12,000 sq. ft. each).
Owner—Kleiber & Co., Inc., 1480 Folsom St., San Francisco.
Engineer—Richard tum Suden, 1480 Folsom St., San Francisco.

The contract for the foundation of the shop building has been awarded to L. Zimmerman, 180 Jessie St., for $2000

The shop building will be completed first for which general figures will be taken in about two weeks. The service building will be erected across the street. Fenestia sash will be used on both buildings.

STOCKTON, San Joaquin Co., Cal.—Articles of incorporation have been filed with the County Clerk, Eugene D. Graham, by the Buchenau Gum Case Company whose principal place of business is Stockton. The incorporators are Lloyd W. Buchenau, Geo. H. Dietz, Harold J. Gage, C. A. Grant and Mrs. C. H. Rothenbush.

The company is capitalized at $250,000 and will engage in the manufacture of store cases.

Lloyd W. Buchenau, announces that the company will erect a new factory in Stockton.

Webster, Webster and Blewett, Attorneys, Stockton Savings and Loan Society Bldg., Stockton; filed the articles of incorporation.

## GARAGES

Plans Being Figured.
GARAGE Cost, $30,000
SAN FRANCISCO. Washington Street near Steiner.
Two-story and basement Class "C" garage.
Owner—Louis Rothenberg.
Architect—Fred'k. H. Meyer, Bankers' Invst. Bldg., San Francisco.

Plans Being Prepared.
GARAGE, ETC. Cost, $13,500
FRESNO, Fresno Co., Cal. South J St. bet. Mono and Ventura Sts.
One-story brick garage and machine shop, 50x150.
Owner—Damer Bros.
Lessee—Walling & Alexander.
Architects—Coates & Travers, Rowell Bldg., Fresno.

Contracts Awarded.
GARAGE Cost, $32,800
MODESTO, Stanislaus Co., Cal.
One-story reinforced concrete and brick garage, 90x175.
Owner—Maze, Shakelford & Silva.
Architects—Wiseman & Biggar, Morgan Bldg., Bakersfield.
Contractor—Ernest Green, 915 "I" St., Modesto.

Work to be Started Shortly.
GARAGE, ETC. Cost, $——
GILROY, Santa Clara Co., Cal. North Monterey St., bet. Martin and Lewis Streets.
Two-story concrete garage and auto-sales room, 54x150.
Owner—John Mainero, Gilroy.
Lessee—Tucker Bros., N-Monterey St., Gilroy.
Architect—Not Given.

Plans Being Figured.
GARAGE Cost, $16,000
SAN FRANCISCO. Fillmore Street near Haight.
One-story brick garage.
Owner—Mrs. A. West.
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.

Ready for Figures Saturday.
AUTO REPAIR SHOP Cost, $8,000
SAN FRANCISCO. S Mission Bet. 8th and 9th Streets.
One-story brick auto repair shop, 35x80.
Owner—A. Palodori.
Architect—S. Heiman, 57 Post St., San Francisco.

**Government Trucks**
See F. L. BARRIS
WAREHOUSE, 351 NOE ST.
Phone Market 3960

## GOVERNMENT WORK AND SUPPLIES

Contract Awarded.
CENTRAL BLDG. Cost, $209,000
SAN DIEGO, Cal. Marine Corps Base, Dutch Flats.
Reinforced concrete Central building.
Owner—United States Government.
Architect—United States Government.
Contractor—Lange & Bergstrom, Sharon Bldg., San Francisco.

The building will have reinforced concrete foundation on concrete piles; reinforced concrete columns, floors and roof slabs, steel trusses and purlins; brick and hollow tile walls and partitions; plastered interior and stuccoed exterior wall surfaces; built-up and tile roofing; suspended metal ceilings; skylights and louvres; wood doors; steel sash and wood sash; complete plumbing, heating and electric lighting and power system; and a radial brick chimney 125 feet high.

WASHINGTON, D. C.—No bids were received by the Supervising Architect's Office at Washington, D. C., on December 29th, for the extension, remodeling, etc., at the U. S. Post Office, Sacramento, California. It is probable the bids were delayed on account of the heavy Christmas mail.

MARE ISLAND, Cal.—An allotment of $47,500 was received by the Public Works Department of Mare Island for the electrification of the causeway and the construction of a number of electrified spurs to be used in handling the transcontinental frieght brought to the navy yard.

It has not been decided whether work will be done by force account or contract.

## HALLS AND SOCIETY BUILDINGS

Plans Prepared. Funds to be Raised by Bond Issue.
COMMUNITY HALL Cost, $60,000
BENICIA, Solano Co., Cal.
Community hall.
Owner—City of Benicia.
Architect—Engineering Dept. of Benicia Arsenal, Benicia.

The building will contain a swimming pool, gymnasium, meeting halls, city library, city offices, etc.

PORTLAND, Ore.—From plans prepared by Architects Houghtaling & Dougan, Henry Bldg., Portland, the following low bids were submitted for the five-story reinforced concrete labor temple to be erected at Fourth and Jefferson streets:

General Construction—Zanello Bros., $213,745.

Electric Work—Jaggar-Sroufe Co., $5,345.

Bids for the heating, plumbing and ventilating will be opened at a later date.

Plans to be Prepared.
STORES & LODGE ROOMS Cost, $——
MARTINEZ, Contra Costa Co., Cal. Main Street.
Three-story concrete or two-story brick stores and lodge rooms, 32x100.
Owner—Hines Bros., Bay Point, Cal.
Architect—Not Yet Selected.

FRESNO, Fresno Co., Cal.—Architects of Fresno have been invited by the Fresno Odd Fellows to submit sketches, together with estimates of cost, for a four story lodge building adjoining the present structure of the Odd Fellows in Merced street, Fresno. The new structure will cover a ground area of 50 by 100 feet. It is planned to spend about $100,000 in construction.

A. M. Drew is Chairman of the Building Committee.

FRESNO, Fresno Co., Cal.—The Fresno Y. M. C. A. is planning a campaign to secure $25,650 with which to maintain and make improvements to the present Fresno quarters. Improvements are planned as follows:

Repairing basement and boys' room, $1,400.

Repairing gymnasium and showers, $1,800.

Repairing locker room, $1,850.

Repairing main club room, $500.

Renovating and refurnishing, $1,700.

Miscellaneous repairs, $600.

Geo. A. Forbes is Secretary of the Fresno Branch of the Y. M. C. A.

## HOSPITALS

Contract Awarded.
HOSPITAL UNIT Cost, $546,000
OAKLAND, Alameda Co., Cal. 14th Avenue and E-27th St.
First unit of Class "A" County Hospital (2 dormitories and service building with connecting corridors).
Owner—Alameda County.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor—Clinton Constr. Co., 140 Townsend St., San Francisco.

Contracts Awarded.
ADDITIONS Cost, $——
SAN FRANCISCO, N Bush Street E of Hyde.
Two six-story Class "B" additions to hospital.
Owner—St. Francis Hospital Co.
Architect—Alfred I. Coffey, Humboldt Bank Bldg., San Francisco.
**Grading** to A. J. Reeder, Sharon Bldg., for $10,990.
**Concrete Work**—Mission Concrete Co., 180 Jessie St., for $91,000.
**General Work**—Ira W. Coburn, 180 Jessie St., for $71,250.
**Brick and Terra Cotta Work**—A. W. Lawson, 180 Jessie St., for $8,750.
**Marble and Terrazzo**—Jos. Musto Sons-Keenan Co., 535 North Point St., for $10,000.
**Iron Work**—**Monarch Iron Works**, 1159 Howard St., for $3,650.
**Galvanized Iron**—Guilfoy Cornice Wks., 269 Potrero Ave., for $2,500.
**Painting**—C. E. Gordon, 1612 10th Ave., for $9,100.
**Plumbing**—C. Petersen Co., 730 Larkin St., for $39,231.
**Heating**—C. Petersen Co., $17,124

Plans Being Prepared.
Preliminary Plans Being Prepared.
BUILDINGS Cost, $——
SAN LEANDRO, Alameda Co., Cal. Infirmary.
Reconstruct farm buildings, erect storage buildings, alter dormitories, etc.
Owner—Alameda County.
Architect—Henry H. Meyers, Kohl Bldg., S. F.

GLENDALE, Los Angeles Co., Cal.—Chas. W. Kent & Son, 131 S. Brand Blvd., Glendale, have prepared preliminary plans for a brick hospital group to be built by the Glendale Memorial Hospital Association in the Piedmont Park tract, Glendale. Permit for operating the hospital has been secured from the City Trustees and incorporation of the association is being effected. It is planned to erect a brick administration building, 58x60 ft., and several unit wards; cost about $100,000.

OAKLAND, Cal.—The Alameda County Supervisors have awarded a contract to the Schultz Construction Co., 46 Kearny St., San Francisco, for the construction of a fire protection system for the Arroyo Sanatorium, near Livermore. Contract price, $14,383.80.

## HOTELS

Plans Being Prepared.
ADDITION Cost, $80,000
TURLOCK, Stanislaus Co., Cal.
Addition of one-story and remodeling hotel building (addition to contain 40 rooms).
Owner—Carolyn Hotel.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.

Sub-Bids Being Taken.
HOTEL Cost, $200,000
FRESNO, Fresno Co., Cal. Van Ness Ave. bet. Kern and Inyo Sts.
Six-story reinforced concrete hotel, 75 x150 (115 rooms and baths).
Owner—H. Arakelain, Turlock, Cal.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
General Contractor—Pritchard Bros., 623 Ferger St., Fresno.

Plans Being Completed.
HOTEL Cost, $——
PRINEVILLE, Oregon.
Fireproof hotel building (100 rooms)
Owner—Mrs. McDowell, Prineville, Oregon.
Architect—A. M. Standish, The Dalles, Oregon.

TULARE, Tulare Co., Cal.—Business men at a meeting pledged themselves to erect a 150-room hotel building to cost $270,000 in Tulare. Fred Tegler, Bakersfield hotel man, has offered to lease the hotel. H. M. Shreve is Chairman of the Hotel Committee. Funds will be raised by sale of stock.

CALEXICO, Imperial Co., Cal.—The Calexico Hotel Co. has secured a site, 152x140 feet, at Third street and Rockwood avenue for the proposed four-story hotel building. The company will be incorporated with $300,000 capital stock. D. A. Leonard is president of the Company

## LIBRARIES

LIBRARY. Cost, $——
LOS ANGELES. University Grounds.
Reinforced concrete and brick library building.
Owner—University of California.
Architect—John Parkinson, 420 Insurance Bldg., Los Angeles.

## POWER PLANTS

SUB-STATION Cost, $——
Plans Being Prepared.
PORTLAND, Ore. Stanton Street.
Steel frame and concrete sub-station, 60x80.
Owner—The Pacific Tel. & Tel. Co.
Architect—Eng. Dept. of Owner, Sheldon Bldg., San Francisco, Mr. Cobby, Draughtsman.

Plans Being Prepared.
SUB-STATION Cost, $——
ALAMEDA, Alameda Co., Cal. Webster Street S of Eagle Avenue.
One-story concrete sub-station building, 25x60.
Owner—City of Alameda.
Designer—Board of Public Utilities Dept., City Hall, Alameda.

SAN DIEGO, Cal.—The City Council has awarded a contract to the San Diego Consolidated Gas & Electric Co. to furnish power for the construction work on the Barrett dam. A transmission line will be constructed from Jamacha to Barrett.

## PUBLIC BUILDINGS

Figures May be Called For This Month
CAPITOL EXTENSION Cost, $3,300,000
SACRAMENTO, Cal. Capitol Grounds.
Two four-story and basement Class "A" Capitol Extension Buildings (Library and Court Building and Office Building).
Owner—State of California.
Architects—Weeks & Day, Phelan Bldg San Francisco.
Plans will be completed before the end of this month and bids will be called for as soon as bonds are sold.

Plans Being Prepared.
DEPOT Cost, $40,000
FRESNO, Fresno Co., Cal. J and Mono Streets.
One-story concrete depot, 100x150.
Owner—J. M. Rustigian.
Lessee—Interurban Auto Stage Association, Fresno, Cal.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Plans Being Figured. Bids Close Jan. 19, 1920, 8 P. M.
CITY HALL Cost, $84,000
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
Two-story and basement reinforced concrete and brick City Hall.
Owner—City of South San Francisco.
Architects—Carl Werner and Alfred I. Coffey, Humboldt Bank Bldg., San Francisco.
Figures will be taken for a general contract, except grading, for which separate figures will be taken.

Plans Awaiting Final Approval. Bonds Voted.
BATHHOUSE, ETC. Cost, $45,000
COLUSA, Colusa Co., Cal.
Municipal swimming pool and bathhouse.
Owner—City of Colusa.
Architect—Martin A. Sheldon, 110 Sutter St., San Francisco.

Contract Awarded.
COMPLETE BANDSTAND Cost, $20,367
OAKLAND, Alameda Co., Cal. Lakeside Park.
Completion of bandstand (steel, stone and cement). The foundation and base are already in.
Owner—City of Oakland Park Commissioners, City Hall, Oakland.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—Andrew T. Hunt, 474 Perkins St., Oakland.
The Raymond Granite Co. submitted the only other bid at $20,965.

OAKLAND, Cal.—The Otis Elevator Co., Beach and Stockton Sts., San Francisco, submitted the only bid to the City Clerk of Oakland at $985 for making certain changes in various elevators in the Oakland City Hall. The bid was taken under advisement.

SAN FRANCISCO—Bids will be received until January 12th, 1920, at 12 o'clock, at the office of the U. S. Superintendent of Construction, 402 Post Office Building, 7th and Mission streets, for an addition to the heating system at the Marine Hospital, San Francisco Presidio.

## RESIDENCES

Plans Prepared.
RESIDENCE Cost, $12,000
PATTERSON, Stanislaus Co., Cal.
Frame and plaster residence.
Owner—Frank McConnell.
Architect—A. A. Mazurette, Modesto.

Contract Awarded.
BUNGALOWS Cost, $4,000 each
BURLINGAME, San Mateo Co., Cal.
Five one-story frame bungalows (5 rooms each).
Owner—California Home Building & Loan Co., San Francisco.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $22,735
BERKELEY, Alameda Co., Cal. Near Hotel Claremont (Oak Ridge Lots 6 and 7).
Two-story and basement frame and plaster residence (10 rooms and 4 bathrooms).
Owner—G. A. Mattern.
Architects—Louis M. Upton and M. Latham, 354 Montgomery St., San Francisco.
Contractor—Taylor & Jackson, Call Bldg., San Francisco.
This contract does not include the heating, painting, finish hardware or lighting fixtures for which separate figures will be taken in two or three weeks.
The excavating and grading is being done by the Oakland Paving Company.

Contract Awarded.
Foundations started.
DWELLINGS Cost, $4750 each
CHICO, Butte Co., Calif., First Ave., east of the Esplanade.
Two 1-story frame and stucco residences. Five rooms each.
Owner—H. K. Spears, Chico, Calif.
Architect—Not given.
Contractor—G. S. Culter, First Ave., nr. Esplanade, Chico, Cal.

Completing Plans. Work to be Done by Sub-Contracts.
RESIDENCE Cost $——
FLINTRIDGE, Los Angeles Co., Cal.
Two-story brick residence (15 rooms and 5 bathrooms, concrete swimming pool, garden walls and terraces, etc.)
Owner—W. P. Hanson.
Architect—Harwood Hewitt, 1130 Van Nuys Bldg., Los Angeles.

Contract Awarded.
RESIDENCE Cost, $80,000
SAN FRANCISCO. No. 1918 Jackson Street.
Three-story and basement frame residence.
Owner—Mrs. Lillie B. Matson, 1824 Jackson St., San Francisco.
Architects—Bliss & Faville, Balboa Bldg., San Francsico.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
The Lindgren Co. will be ready to take sub-figures in about a week.

Contract Awarded.
RESIDENCE Cost, $22,000
LOS ANGELES, Cal. Arden Blvd. near Fourth Street.
Two-story and basement brick residence (9 rooms and 3 bathrooms).
Owner—Lillian H. Ducommun.
Architect and Contractor—S. M. Cooper, 510 Merritt Bldg., Los Angeles.

Contract Awarded.
RESIDENCE Cost, $20,000
LOS ANGELES. Virgil Ave. bet. Fourth and Fifth Streets.
Two-story frame residence (13 rooms and 3 bathrooms).
Owner—R. C. Smith, Inglewood.
Architect—Not Given.
Contractor—L. T. Mayo, 531 Black Bldg., Los Angeles.

Plans Being Prepared.
BUNGALOWS Cost, $——
PRINEVILLE, Oregon.
14 bungalows (8 of frame construction and 6 of brick and tile).
Owner—Prineville Firm (Financed by Union Savings & Loan Ass'n. of Portland, Ore.)
Architect—A. M. Standish, The Dalles, Oregon.

Plans Being Figured.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Mandana Boulevard.
Two-story and basement frame and plaster residence (10 rooms, 2 bath rooms and garage).
Owner—Withheld.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.
Figures are being taken for a general contract.

Plans Being Prepared.
RESIDENCE Cost, $——
MERCED COUNTY near Merced.
One-story frame and plaster residence (Ranchhouse) about 18 rooms.
Owner—Louis Titus.
Architect—Benj. G. McDougall, Sheldon Bldg., San Francisco.

ORLAND, Glenn Co., Cal.—The Chamber of Commerce has appointed a committee consisting of John J. Flaherty of the First National Bank, Edgar King of the Bank of Orland and Allen Moors to report on the offer of Cutler, Vermore & Bateman of Sacramento, for the erection of ten dwelling houses to cost $3,000 each.

The proposition is for the banks to to lend 60 per cent of the money on the first mortgage and have local capitalists advance the remainder on a second mortgage.

## SCHOOLS

Plans Being Prepared.
SCHOOL Cost, $45,000
BEND, Oregon.
One-story (third unit) brick school.
Owner—Bend School District.
Architect—Lee A. Thomas, Bend, Ore.

Plans Being Figured. Bids Close Jan. 17, 1920.
SCHOOL Cost, $40,000
YREKA, Siskiyou Co., Cal.
One-story brick and concrete school.
Owner—Yreka Grammar School District.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Ready for Figures in About a Week.
SCHOOL Cost, $40,000
SAN ANSELMO, Marin Co., Cal.
One-story and basement brick elementary school (10 rooms and an auditorium.)
Owner—San Anselmo School District.
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.
Bonds have been voted.

MADERA, Madera Co., Cal.—Bids will be received by G. M. Shedd, Secretary of the Madera High School Board up to January 19th, 7:30 P. M., for the construction of a heating system in the high school, from plans prepared by Mr. Hudson, engineer for the B. A. Newman Co., 1927 Merced Street, Fresno.

Centrified check of 10% payable to Secretary Madera High School District must accompany each bid.

Plans Being Figured. Bids Close January 31, 1920, 5 P. M.
SCHOOL. Cost, $90,000
ANTIOCH, Cantra Costa Co., Cal.
One-story brick school.
Owner—Antioch School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Plans may be obtained from the Architect's office, or from M. D. Field, Clerk of the Board of Antioch.
A deposit of $20 is required for the plans.

Plans Being Prepared.
SCHOOL Cost, $18,000
ELVERTA, Sacramento Co., Cal.
One-story hollow interlocking tile and plaster school (2 rooms and auditorium.)
Owner—Elverta School District.
Architect—Geo. C. Sellon, 1005 8th St., Sacramento.

CLOVIS, Fresno Co., Cal. The Trustees of the Clovis High School District have awarded the contract for concrete and excavation work in connection with the new high school to Del Favero and Rasori, 110 Jessie street, San Francisco, at $21,393. The same firm was also awarded the contract for carpentry work at $45,387. The sheet metal work and plumbing contracts have been awarded to Robert Dalziel, San Francisco, at $2355 and $5,747 respectively.

The structure will be a two-story and basement concrete high school. Plans were prepared by Architect W. H. Weeks, 75 Post st., San Francisco.

CHANDLER, Ariz. —All bids received by the Board of Trustees of Chandler, Arizona, High School District were ordered rejected on account of being in excess of the amount available for the new buildings. The plans and specifications will be revised, one of the buildings will be omitted and new bids called for. Additional bonds will also be voted to provide extra funds for the increased cost of the school. Allison & Allison, 1495 Hibernian Bldg., Los Angeles, are the architects.

HEMET, Riverside Cal.—All bids for the erection of the proposed intermediate high school building at Hemet were rejected. Carl M. Thompson submitted the lowest bid on the general contract at about $72,000. There is about $60,000 available for the building. Further action was postponed until after January 1. G. Stanley Wilson of Riverside, prepared the plans.

SAN MATEO, Cal.—Bids are invited for laying waterproof composition flooring (about 50 square yards). For further information address W. L. Glasscock, Principal of San Mateo Union High School, San Mateo, Cal.

## STORES AND OFFICES

Preliminary Plans Being Prepared.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. SW Montgomery & Bush Streets.
Class "A" office building.
Owner—Burke Estate.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Plans Being Prepared.
FUNERAL PARLORS Cost, $25,000
FRESNO, Fresno Co., Calif. Coast and Belmont Avenues.
One-story frame and stucco Funeral Parlors.
Owner—Powell Undertaking Co., R. A. Powell, Pres., 1459 Van Ness Ave., Fresno, Calif.
Architect—Not given.

Plans Being Completed.
STORES Cost, $35,000
SEATTLE, Wash. SE Eighth Avenue and Olive Street.
One-story brick and terra cotta (8) stores, 120x120.
Owner—H. C. Hibbard.
Architect—John Graham, L. C. Smith Bldg., Seattle.

Plans Being Prepared.
OFFICES, ETC. Cost, $——
FRESNO, Fresno Co., Cal. Fresno and "O" Streets.
Six-story and basement fireproof offices, garage and machine shop, 150x225 and other minor structures
Owner—Fresno City Water Company.
Lessee—San Joaquin Light & Power Corp., A. G. Wishon, General Manager, Fresno.
Architect—E. Matthewson, Cory Bldg., Fresno.
Erection of building depends on permission to increase capitalization now pending before Railroad Commission.

Contract Awarded.
DEPT. STORE Cost, $——
BAKERSFIELD, Kern Co., Cal.
Six-story Class "B" department store building.
Owner—E. W. Hopkins.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
Sub-figures will be taken by the contractors in a few days.

Plans Being Prepared.
STORE AND OFFICES Cost, $90,000
SALINAS, Monterey Co., Cal.
Two-story and mezzanine floor reinforced concrete store and office building.
Owner—Farmers Mercantile Co.
Engineers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Ready for Segregated Figures January 2nd, 1920.
ALTERATIONS Cost, $——
SAN FRANCISCO. No. 615 Market St. near Second Street.
Alter three-story and basement Class "A" building for stores and offices or lofts. (Install new front, marble wainscot, stairs, elevator, etc.)
Owner—Eisenbach Co., Flatiron Bldg., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Contract Awarded.
AUTO SALES ROOM Cost, $20,000
SAN FRANCISCO. Twelfth and Mission Streets.
One-story reinforced concrete auto sales rooms.
Owner—McKee Company.
Architect—Albert W. Burgren, 661 Phelan Bldg., San Francisco.
Contractor—J. E. Beck, 110 Jessie St., San Francisco.

Plans to be Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. Nos. 931-933 Market Street.
Alter restaurant.
Owner—John H. Schmidt, 931 Market St., San Francisco.

# ENGINEERING

## BRIDGES, DAMS & HARBOR WORK

PHOENIX, Ariz.—The State Water Commission has issued permits to Paradise Valley Water Users Association to construct three dams that will divert 451,000 acre ft. of water from Verde and New rivers to irrigate 200,000 acres adjacent to Phoenix, comprising a strip 20 miles wide north of the Arizona canal. One dam impounding water from New river will cost $800,000; another impounding water from Verde river at Camp Verde will cost $3,000,000, and a third at Horseshoe reservoir site on Verde river will cost $3,000,000.

UKIAH, Mendocino Co., Cal.—W. A. Kraner, Balboa Bldg., San Francisco, has been awarded a contract by the Snow Mountain Water & Power Company for the construction of a dam at Gravelly Valley, Mendocino County. The dam will be 100 feet high, 650 feet long and approximately 109 feet wide at the top. Kraner's contract, when completed, will represent an expenditure of more than $1,000,000.

CHICO, Butte Co., Cal.—The sum of $1,000 has been left by the will of the late Morris Oser for use in the construction of a municipal swimming pool. It is probable that additional funds will be secured and a pool constructed in Bidwell Park.

Figures to be Called For Shortly.
BULKHEADS Cost, $——
SAN FRANCISCO. Piers Nos. 27 and 29 Bulkheads.
Owner—State Board of Harbor Commissioners.
Engineer—Frank G. White, Ferry Bldg San Francisco.
Plans are also being completed for fender line repairs.

MODESTO, Stanislaus Co., Cal.—Bids will be received by H. Benson, County Clerk, up to January 14th, 10 a. m., for the construction of one reinforced concrete bridge over Lateral No. 6 of the Turlock Irrigation District Canal, 2 miles south and one mile east of the city of Turlock.
Certifield check of 10% must accompany each bid.

VISALIA, Tulare Co., Cal.—Until 2 P. M., Jan. 6, bids will be received by supervisors of Tulare Co., for constructing bridges and culverts on the road between Woodville and Poplar. Certified check for 5% requred. Geo. R. Prestidge, clerk.

FLORENCE, Ariz.—Until 2 p. m., January 19, bids will be received by the Pinal County Highway Commission for constructing a reinforced concrete bridge at Ray, consisting of two 100 feet clear arches, constructing 130 feet concrete retaining wall, taking down, shipping and re-arrecting 1 200-foot steel span near Winkelman and erecting 200 feet additional to the steel structure, with piers, abutments and wings. Plans may be obtained from W. W. Lane, County Engineer, at Florence, on payment of $10. Only bids from responsible and experienced contractors will be considered. E. G. Dentzer, Secretary.

FLORENCE, Ariz.—Until 4 p. m., January 12, bids will be received by the Pinal County Highway Commission for constructing a reinforced concrete arch bridge, 45 feet clear span, on the Kelvin-Hayden road near Ray Junction. Plans may be obtained from W. W. Lane, County Engineer, at Florence, on payment of $10. E. G. Dentzer, Secretary.

SEATTLE, Wash.—The bid of the Union Dredging Co., Oakland, Calif., for dredging 1,500,000 cubic yards of rock and earth from the Willapa river and harbor channel, will be forwarded to Washington, D. C., for approval. At $17.95 per cubic yard, this being the only bid received, it is probable that the contract will be awarded the Oakland firm.

SAN FRANCISCO.—The following bids were received December 29th by the Board of State Harbor Commissioners for furnishing materials and constructing bulkhead wharf in front of Pier 5, connecting the existing concrete bulkhead wharves at Piers No. 3 and No. 7, and constructing a timber depressed track extension along the south side of Pier No. 5, on the water front of San Francisco.
A. S. Kitchen (1) $59,970; (2) $46,000; (3) $13,970.
S. F. Bridge Co., (1) $59,409; (2) $44,760; (3) $16,149.
Healy Tibbitts Constr. Co. (1) $54,248; (2) $39,470; (3) $15,183.
Hannah Bros. (1) $59,295; (2) $44,000; (3) $17,295.
A. H. Vogt (1) $59,470; (2) $——; (3) $——.
Clinton Constr. Co. (1) $61,355; (2) $46,630; (3) $17,180.

ARCADIA, Los Angeles Co., Cal.—Kluseman & Elser, Cucamonga, were warded the contract at $27,434 for constructing a reinforced concrete reservoir for the municipal water system. The reservoir will be oval-shaped 220 feet long, 150 feet wide and 12½ feet deep, and will require 10,500 cu. yds. excavation, 720 cu. yds. concrete, 32 tons reinforcing steel, 38,200 sq. ft. floor mesh, and 66,000 ft. B. M. lumber for roof. O. A. Gierlich, City Engineer.

## IRRIGATION PROJECTS

CORCORAN, Kings Co., Cal.—The $760,000 bond issue with which to finance construction of the Corcoran Irrigation District has been approved by the California Irrigation District Bond Commission, according to the State Engineer W. F. McClure.

WILLOWS, Glenn Co. —The County Supervisors have sent plans to the State Engineer's office for its approval, for the organization of the proposed Glenn-Colusa Irrigation District under which it is planned to form a district comprising 80,000 acres of land in Glenn and Colusa Counties. The sum of $150,000 has been subscribed to go ahead with the enlargement of the canal and the installation of additional pumps.
C. F. Lambert of Willows is handling details for the district.

GRASS VALLEY, Nevada Co., Cal.—H. L. Adams has been selected by the State Department of Engineering to make a reconnaissance survey of the proposed irrigation project in Nevada County.
It is planned to place 2,500 acres of land in Nevada County west of Wheatland and in Yuba County under irrigation.

OROVILLE, Butte Co., Cal.—A petition for the organization of Drainage District No. 2 of Butte County has ben filed for approval with the County Supervisors.
The territory which is asked to be included in the district comprises 5,345 acres west of Nelson and Richvale. The petitioners are: Arvilla A. Bradford, Esther M. Craig, Celia A. Curtis and the Union Enterprise Company.
The attorney for the petitioners is J. D. Peters of Chico.

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Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

MARYSVILLE, Yuba Co., Cal.—The State Reclamation Board at its meeting January 6th will consider the plans of Reclamation District No. 784, comprising several thousand acres of farming land along the Feather River in Yuba County. Completion of the district's levee system, extending from a point near Marysville to Bear River, and necessary work of general maintenance for a period of five years, are among the proposed accomplishments in the application.
To meet the expense of the many improvements and extensions, the district proposes to levy an assesment of about $1,000,000. About half of this sum is needed to pay off debts already incurred.

## MACHINERY

SANTA CRUZ, Santa Cruz Co., Cal.—Bids will be received by S. A. Evans, City Clerk, up to January 13th, 9:30 A. M., for furnishing and delivering to the City of Santa Cruz one street tractor. The price named in the bids must be f. o. b. Santa Cruz.

DALY CITY, San Mateo Co., Cal.—The Simonds Machinery Co., 117 New Montgomery St., San Francisco, has been awarded a contract by the City Trustees for furnishing and delivering a Triplex booster pump for the municipal water works. The bid was $4,387.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS

NAPA, Napa Co., Cal.—The City Council has invited the Advisory Board,

The Napa Chamber of Commerce and the Merchants' Association to appear at the next meeting to work out plans for connecting the city streets with the State highway units.

LOS ANGELES, Los Angeles Co., Cal —Geo. R. Curtis, 2440 E. 26th St., Los Angeles, was awarded the contract on December 29 at $139,910.01 for paving Temple St. between Vermont Ave. and Wilton Place and constructing a storm and sanitary sewer, work to be done under the 1913 Improvement Bond Act. The contract involves 341,023.11 sq. ft. grading for Warrenite paving at 5½c sq. ft.; 341,023.11 sq. ft. Warrenite paving at 25½c sq. ft.; 1275 sq. ft. asphalt paving, including grading, at 35c sq. ft.; 9010.68 sq. ft. rough grading on Hobart Place at 5c sq. ft.; 9010.68 sq. ft. finishing grade, oiling and rolling at 5c sq. ft.; 9,369.73 lin. ft. cement curb at 50c ft. 26,013.21 sq. ft. cement sidewalk at 18c sq. ft.; 11,054.62 sq. ft. concrete gutter at 26c sq. ft.; 2376 sq. ft. granite block gutter at 60c sq. ft.; $500 for sanitary sewer; 210 ft. house connection sewers at $2.50 ft.; $16,000 for storm sewer in Temple St.; $1350 for storm sewer in Ardmore Ave.; $790 for catchbasins and drains. Other bids were: Fairchild-Gilmore-Wilton Co., $143,290.58; Bryant & Austin, Inc., $181,407.79; L. A. Paving Co., $187,259.56.

SAN LEANDRO, Alameda Co., Cal.—Bids being too high the City Trustees have ordered the improvement of Thornton street done by day labor under the Superintendent of Streets J. F. Peralta

OAKLAND, Cal.—L. W. Cummings, City Clerk, will receive bids up to 12 M., January 15th, for the improvement of portions of Porter, Suter, Octavia and Abbey streets by grading; constructing concrete curbs and gutters; cement sidewalks and paving with an oil macadam pavement; construction of vitrified pipe conduits; concrete walls; brick manholes, etc.

MODESTO, Stanislaus Co., Cal.—The City Engineer has been instructed by the Council to submit estimates for cast iron pipe requirements for water main extensions. On approval of the estimates a call for bids will be issued.

MODESTO, Stanislaus Co., Cal.—The City Clerk has been instructed to call bids for the purchase of $7,465 street improvement bonds for paving Fourteenth and Grand streets.

The City Engineer was instructed to prepare plans for the construction of concrete sidewalks on Second and "I" streets. There will be 35.5 feet on Second street and 25 feet on "I" street.

CHICO, Butte Co., Cal.—The City Council has commenced new proceedings providing for the improvement of the following streets:

Fourth street to the Bidwell park entrance; Second street from Salem to Chestnut; Broadway from North to Del Norte; South Salem from Little Chico creek to Academy street.

BAKERSFIELD, Kern Co., Cal.—Until 5 P. M., January 12, bids will be received by City Clerk V. Van Riper for paving N St. between Truxtun Ave. and Twentieth St., and Twentieth St. between M and N Sts., with 3-in. asphaltic concrete base and 1½-in. Warrenite surface and constructing cement curb and gutters. Work will be done under Improvement Bond Act of 1915. R. H. Hubbard, City Engineer.

BAKERSFIELD, Kern Co., Cal.—The City Council has adopted a resolution of intention to pave with 3-in. asphaltic concrete base and 1½-in. Warrenite surface and construct cement curb, gutter and sidewalks on Twenty-fifth street between I St. and Chester Ave., Twenty-sixth and Twenty-seventh Sts. between I and K Sts., and the alley through Block 486 in District No. 50, work to be done under Improvement Bond Act of 1915.

SANTA CRUZ, Santa Cruz Co., Cal.—Bids will be received by S. A. Evans, City Clerk, up to January 12, 5 P. M., for the construction of a sewer in a portion of Fourth avenue; same to be 6-inch vitrified salt-glazed with 2 brick manholes with cast iron tops; 12 Y branches each with a 4-inch opening.

NAPA, Napa Co., Cal.—Following bids were received by the County Supervisors for unloading sand from cars on delivery of same to be used for highway and bridge construction:

R. J. Blanco, 28 cents per ton.

Frank A. Burge, 23 9-10 cents per ton

J. H. Hein and A. R. Sittig, 49 cents per ton.

Harry Thorsen, 33 cents per ton.

The contract was awarded to Frank A. Burge.

Bids for building the new spillway between Napa and the Metcalf bridge for the protection of the concrete sidewalk were opened as follows:

Frank Gaggero, $21 per cubic yard.

George Errington, $19 per cubic yard.

Simon Lenz, $12.45 per cubic yard.

The contract was awarded to Simon Lenz.

SACRAMENTO, Cal.—S. W. Curtis, for three years with the State Engineer's Office, has resigned to take up private practice in San Francisco.

OROVILLE, Butte Co., Cal.—The City Trustees have outlined the following program for street paving:

Montgomery Street from Oliver Avenue to Bridge Street.

Montgomery Street from Fourth Avenue to the Marysville Road.

Robinson Street from Lincoln Street to the Marysville Road.

Center portion of the Marysville Road from Montgomery street to the State Highway.

Myers Street from High Street to city boundary.

Bridge Street from the Feather River bridge to the high school.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Following is a summary of the road projects provided for under the $1,500,000 bond issue of San Luis Obispo County:

For grading and graveling San Miguel-Estrella road, 7 miles, $6000.

Grading and graveling Paso Robles-Estrella road, 8 miles, $8000.

Grading and graveling Paso Robles-Creston road, 15 miles, $15,000.

Paving with 5-in. concrete 20 ft. wide state highway through city of El Paso de Robles, $50,000.

Grading and graveling Paso Robles-Cambria road, $8000.

Grading and graveling Mustang Spring road, $2000.

Grading and graveling San Miguel-Lynch road, $3000.

Improving Old Creek road, Paso Robles to Cayucos, $5000.

Paving with concrete highway from San Luis Obispo north to town of Cambria through Morro and Cayucos, $545,000.

Grading and graveling Morro-Atascadero road, $15,000.

Grading and graveling San Luis Obispo-Los Osos road, $20,000.

Paving with concrete streets through city of San Luis Obispo, connecting state highway, $85,000.

Paving with crushed rock and oil macadam Oceano and Arroyo Grande roads, 3¾ miles, $30,750.

Paving with crushed rock and oil macadam surface Arroyo Grande and Huasna road, 13¼ miles, $112,750.

Paving with crushed rock and oil macadam road from Nipomo to Guadalupe bridge, 8.5 miles, $69,700.

Paving with crushed rock and oil macadam road from Ontario house to Avila, $16,400.

Paving with crushed rock and oil macadam road from San Luis Obispo to Edna, $32,800.

Grading and graveling and culverts on Arroyo Grande to Edna road, $5000.

Macadam pavement in town of Pismo, $5000.

Improvement of Arroyo Grande-Berros road, $5000.

Paving with crushed rock and oil macadam Corbit Canyon road, $12,600.

Paving with concrete state highway through city of Arroyo Grande, $28,000.

Rock macadam pavement on Santa Margarita-Pozo road, $100,000.

Grading and culverts on Pozo-San Juan Grade road, $85,000.

Grading and graveling road from Templeton west 14 miles, $24,000.

Grading and graveling road from Templeton east 14 miles, $16,000.

Grading and graveling and rock macadam on Morro-Atascadero road, $25,000.

Rock macadam on Traffic Way in town of Atascadero, 24 ft. wide and 4800 ft. in length, $12,000.

An appropriation of $115,000 is made for constructing a reinforced concrete bridge over Salinas river east of San Miguel; also an appropriation of $44,000 for reinforced concrete bridge over Estrella creek near Shandon.

LOS ANGELES, Los Angeles Co., Cal. —D. L. Gaskill, 236 Hermosa Ave., Long Beach, was awarded the contract at $114,730 for grading roadways and constructing 5x9x12-in. cement curb and 3½-in. by 3 and 5 ft. walks and 5-in. by 3 and 5 ft. walks in 8.5 miles of streets in Graham known as Road District Improvement No. 151. The work includes 19,200 cu. yds. excavation; 88,450 ft. cement curbs; 438,100 sq. ft. cement walks.

SAN RAFAEL, Marin Co., Cal.—The Supervisors have approved the petition for the Stinson Beach Boulevard District. It is planned to vote bonds with which to finance the improvement of roads in the district.

LOS ANGELES, Los Angeles Co., Cal. —Until 3 P. M., January 9, bids will be

received by the Board of Public Service, Knickerbocker Bldg., for 70 miles of No. 10 B.W.G. or W.G.M. extra or double galvanized iron wire of either E.B.B. or B.B. grade to conform to specifications of American Steel & Wire Co.'s 1910 handbook, price to be quoted f. o. b. Laws, Calif. Jas. P. Vroman, Secretary.

GRIDLEY, Butte Co., Cal.—Bids will be received by James Ownby, City Clerk, up to January 12th, 8 P. M., for furnishing the following cast iron pipe with fittings, f. o. b., Gridley:

2400 linear feet of six inch cast iron pipe Class "C" 130 lbs. presaure, 16 foot lengths.

12 Reducers 4 inch by 2 inch, same type.

8 Crosses, four inch diameter, same type.

8 Crosses, six inch by four inch diameter, same type.

16 Tees, four inch diameter, same type.

5 Tees, six inch by four inch diameter, same type.

3 Plugs, four inch daimeter.

31 Gate Valves, four-inch diameter.

2 Gate Valves, six inch diameter.

1 Cast Iron 90 degree elbow.

2 fire Hydrants, four inch connection.

1875 pounds of lead for joints.

200 pounds of oakum.

5400 feet, 4-inch Cast Iron pipe, Class "C", 130 lbs. pressure, 16 foot lengths.

600 feet, 4 inch Cast Iron pipe, Class "C", 130 lbs. pressure, 12 foot lengths.

John Felleman is City Engineer of Gridley.

SANTA BARBARA, Cal. — Wm. S. Spaulding of Boston, has purchased through the Alexander & Redington realty agency, 30 acres at San Ysidro road and the coast highway and will subdivide it into high-class residence sites. Construction of paved roads in the property will be started early in the new year. Robert S. Hyde will be manager of the property for Mr. Spaulding.

NEWPORT BEACH, Orange Co., Cal. —Because of errors in the legal proceedings C. D. Soteras of Los Angeles, has been released from his contract for the construction of the proposed city sewer system. The work is being done under the Imp. Act of 1911. The proposed septic tank is located outside the city limits and attorneys have held that the original proceedings cannot apply to this work. The city will take steps to annex the district and will start new proceedings.

SACRAMENTO, Cal.—Resident Engineer C. G. Gillesple of the filtration staff reported to the City Commission that S. N. Whitman of St. Louis, who on December 4 was appointed office engineer, had asked to be relieved as the company with whom he is employed had incrased his salary. Upon the recommendation of Commissioner J. Q. Brown, the City Commission filled the vacancy by the appointment of Paul A. Swafford of Berkeley.

CHICO, Butte Co., Cal.—W. J. Locke, Attorney and Secretary of the California League of Municipalities has been retained by the Chico City Trustees as special counsel in street work which the city will undertake in the near future. About twenty blocks of streets will be improved.

SANTA BARBARA, Cal.—Until 12 noon, January 15, bids will be received by City Clerk S. B. Taggart for improving Micheltorena street between Bath and San Andres streets by grading and paving the roadway with 4-inch concrete base and 1½-inch Warfenite surface and laying certain strips of Warrenite 5½ inches thick; constructing combined cement curb and gutter, concrete gutter, cement cross walks, new stone curb and resetting old stone curb and constructing 6-inch vitrified pipe sewers and house connections. Work will be done under Improvement Act of 1911.

SAN DIEGO, Cal.—More than $25,000 of the $37,000 needed to grade the proposed road from Brawley, Imperial County, to Julian, San Diego Co., by way of San Felipe Narrows, has been raised by the San Diego-Imperial northern highway committee, of which Supervisor Beal of Imperial Co., is president. The road is about 70 miles in length. The committee expects to start the grading in the next two weeks. The Imperial County Highway Commission has agreed to pave that portion of the road in Imperial County if San Diego County will pave its portion.

DIXON, Solano Co., Cal.—The City Trustees have granted a petition p viding for the paving of several steeets on the west side of the town.

Stuart Grady is City Clerk.

FLORENCE, Ariz.—Until 10 a. .m., January 13, bids will be received by the Pinal County Highway Commission for 30 miles of light grading between Florence and Casa Grande, involving approximately 100,000 cu. yds. light earth, and 900 cu. yds. concrete. Plans may be obtained from W. W. Lane, County Engineer, at Florence, on payment of $10. Only bids from responsible and experienced contractors will be considered. E. G. Dentzer, Secretary.

BERKELEY, Alameda Co., Cal.—The City Council is contemplating the widening of Shattuck avenue between Allston and Bancroft Ways, the cost to be between $5 and $5.50 per foot.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to A. H. Kopperud, 2030 High St., Oakland, for the improvement of Lynde street from Peralta avenue to a line 631 feet southeast therefrom by grading; constructing concrete curbs and gutters; 10-in. pipe conduit and laying an oil macadam pavement.

VENTURA, Ventura Co., Cal.—The contract of Fairchild-Gilmore-Wilton Co., of Los Angeles, for paving on the Nordhoff road east of Ojai, amounts to about $17,300 per mile. The county will pay $1.81 per bbl. net to the California Portland Cement Co. for 50,000 bbls. of cement to be used in constructing county roads.

YUMA, Ariz.—L. M. White and C. M. Miller of Yuma, were awarded the contract at $76,161.35 for paving Second Avenue between First and Eighth Streets, a distance of approximately 5000 feet. West Coast Construction Co. submitted a bid at $84,875 and Southwestern Contracting Co. a bid at $84,-053.77. Messrs. White and Miller formerly operated as the O. & C. Construction Company.

FRESNO, Fresno Co., Cal.—According to an application filed with the Railroad Commission by the Fresno City Water Corporation, a new company formed to take over the business of the Fresno City Water Company, a new office building has been planned to house the new corporation. The application to the Commission aska for authority to issue $250,000 of bonds, the money to be used to provide additions and betterments to the water system, reimburse the treasury for expenditures already made and to provide funds to defray cost of constructing the proposed new building.

MENTONE, San Bernardino Co., Cal. —The South Mesa Water Co. will complete its water system at a cost of $30,-000 to $50,000. Water Co. No. 1 of the Yucaipa valley, will spend about $50,-000 extending pipe line and sinking wells. Capt. P. S. Hasbrouck is in charge of the work. The Dunlap Ranch Co. will spend about $150,000 sinking wells, laying pipe lines and constructing reservoirs.

VENTURA, Ventura Co., Cal.—Until January 20, bids will be received by the Supervisors of Ventura County for paving the Santa Paula caynon road. The cost of the improvemont within the corporate limits of Santa Paula will be paid by the city and the balance by the county from highway bond funds.

WHITTIER, Los Angeles Co., Cal.—Until 7:30 P. M., January 19, bids will be received by Clarence O. Trueblood, City Clerk, for about 180 gate valves and 33 fire hydrants. Specifications may be obtained from the City Clerk or from J. B. Lippincott, Engineer, Central Bldg., Los Angeles. Certified check for 5% required.

LOS ANGELES, Los Angeles Co., Cal. —Geo. H. Oswald, O. " Johnson Bldg., Los Angeles, was awarded the contract December 24, at $17,030 for paving Maple Ave. between Jefferson St. and Woodlawn Ave. Other bids received by the Board of Public Works were; Geo. R. Curtis, $18,511.84; Fairchild-Gilmore-Wilton Co., $18,549.32; L. A. Paving Co., $22,859.36, and Bryant & Austin, Inc., $22,988.29.

BENICIA, Solano Co., Cal.—The War Department has appropriated $46,000 for the construction of about 6 miles of road in the Benicia Arsenal grounds The roads will be used to connect the different departments of the arsenal. Three types of construction are to be used: concrete, water bound macadam and dirt.

The work will be done by days labor.

Colonel E. P. O'Hern is Commanding Officer at the Benicia Arsenal and is in the market to purchase all necessary materials.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 "H" St., Fresno, have been awarded a contract by the City

Council for the improvement of La Salle avenue from the west line of Blackstone to the west line of Glenn avenue by grading; constructing concrete curbs, and sidewalks; corrugated iron culverts, 12 and 18 inch, and oiling.

Thompson Bros. were also awarded the contract for the construction of artificial stone sidewalks in Fresno avenue between South Belmont and Divisadero street; they being low bidders at $1.825 per square foot. Chas. Dillon is City Clerk.

SAN FRANCISCO.—The following informal bids were opened December 29th by the State Board of Harbor Commissioners for paving the Deck of Pier No. 5:

| | |
|---|---|
| F. R. Ritchie | $2,557.60 |
| Flynn & Treacy | 2,594.00 |
| Raisch Imp. Co. | 2,642.00 |
| Fay Imp. Co. | 2,700.95 |

CHICO, Butte Co., Cal.—The Chico Chamber of Commerce will meet with the City Trustees in the near future to discuss the purchase of the private water systems in this city with a view to improving same and extending the system in all parts of the city.

Frank B. Durkee is Secretary of the Chamber of Commerce.

STOCKTON, San Joaquin Co., Cal.—The City Council has allowed the following amounts to be incorporated in the 1920 budget for improvements:

| | |
|---|---|
| Street Repair | $26,336 |
| Street Cleaning & Sprinkling | $41,000 |
| Sewage Disposal | $44,318 |
| Bridge Improvements | $28,426 |
| New streets | $11,950 |

E. L. Banks is City Clerk.

SAN FRANCISCO—Plans have been approved and bids will be received by the Board of Public Works up to January 14th for the improvement of the Great Highway from Balboa to Fulton street.

SAN BRUNO, San Mateo Co., Cal.—The City Trustees, Nettie A. Willits, City Clerk, have passed a resolution of intention providing for the installation and construction in San Bruno Park and in First Addition to San Bruno Park, pipes, hydants and appliances pertaining to the installation of a water system.

TRACY, San Joaquin Co., Cal.—The City Attorney has been instructed to prepare resolutions of intention providing for the grading; graveling and curbing of Fourth street for its entire length.

MARTINEZ, Contra Costa Co., Cal.—O'Brien Bros., have requested the City Trustees for permission to improve by contract the following streets:

Main street from Pine to Willow; Willow from Main to Green; Green from Pine to Oak; Oak from Green to Mellus; Thompson from Pine to Oak; and Mellus from Pine to Oak street.

The request has been laid over for further consideration.

HANFORD, Kings Co., Cal.—At the last meeting of the City Council petitions asking the improvement of two miles of streets were accepted and proceedings started to have the work done. Improvments will be made in Porter street between North Irwin and the Santa Fe Railway tracks, Douty, West Eighth and Phillips streets, etc.

D. C. Williams is City Clerk.

FLORENCE, Ariz.—Until 2 p. m., January 12, bids will be received by the Pinal County Highway Commission for constructing a highway from Oracle to Mammoth, 12 miles, requiring approximately 80,000 cu. yds. excavation and 600 cu. yds. of concrete. Plans may be secured from W. W. Lane, County Engineer, at Florence, on payment of $10. Bids from responsible and experienced contractors, only will be considered. E. G. Dentzer, Secretary.

DIXON, Solano Co., Cal.—The Ransome-Randle Co., of Sacramento at $151,508 submitted the lowest bid to the City Trustees for the paving of twenty-three blocks in Dixon and was awarded the contract. Eight other bids were submitted.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk has awarded a contract to J. W. Terrell, for the improvement of the alley bet. 27th and 28th sts., from the south line of "Y" st., to the south end of the alley by constructing an eight inch vitrified ironstone pipe sewer with 20 six-inch vitrified ironstone Y branches and 1 flusher branch attached, one concrete manhole and cover. Improvement of the casement at the east boundary of Urban Court from Lot 43 to Lot 47 by constructing an eight inch vitrified ironstone pipe sewer with 19 six-inch vitrfiied ironstone Y branches attached and constructing 2 concrete manholes with C. I. curbs and covers. Improving the alley first north of 2nd avenue from the west end of said alley to 28th st., by constructing 10-inch vitrified pipe sewer with four six-inch vitrified ironstone Y branches attached and the improvement of 28th st., from the alley first north of 2nd avenue to the sewer in place in 2nd avenue by constructing 10-inch vitrified ironstone pipe sewer with three six-inch vitrified ironstone Y branches attached and constructing 1 concrete manhole with C. I. curb and cover.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received by W. W. Felt, Jr., County Clerk, up to January 14th, 12 M., for the construction of Petaluma-Sonoma Highway, Section B, and for the construction of New Occidental Road in Second Road District.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, has passed resolutions of intention providing for the following improvements:

Improvement of easement opposite 41st st., from the south line of Folsom Boul., to the north line of the S. P. right-of-way by constructing a vitrified ironstone pipe sewer and 3 concrete manholes with C. I. curb and covers.

Improvement of 41st st., from the south line of S. P. right-of-way to a point 20 ft. south by constructing vitrified ironstone pipe sewer and 1 concrete manhole with C.I. curb and cover.

Improvement of R st., from the center line of 43rd st., to the center line of the alley first west of 40th st., by constructing a vitrified ironstone pipe sewer with 3 concrete manholes with C. I. curbs and covers.

Improvement of the alley first east of 39th st., by the construction of 1 concrete manhole with C. I. cur band cover.

The Commissioners have also passed a resolution providing for the improvement of 33rd st., from the south line of 4th ave., to the north line of 9th ave., by constructing concrete curbs and gutters and eight concrete manholes with C. I. curbs and covers, placing 15 C. I. gutter drains with 6 six-inch vitrified ironstone sewer pipe elbows attached, constructing 8-inch vitrified ironstone sewer pipe drains connecting manholes to sewer and laying a hydraulic concrete foundation 4 inches thick with a bitulithic wearing surface 1½ inches thick.

BRAWLEY, Imperial Co., Cal.—David M. Ryan of San Diego, submitted the lowest bid and was awarded the contract at $128,377.29 for paving with concrete portions of East and West Main street and Eighth street. Other bids received by the City Trustees were: E. Schelling, Los Angeles, $128,927; Geo. Daley, San Diego, $134,000; John Engebretsen, San Diego, $176,178. The work embraces about 316,000 sq. ft. of 6-in. and 7-in. concrete paving, 1:2:4 mix, unsurfaced. G. R. Wade, City Engineer.

MARTINEZ, Contra Costa Co., Cal.—City Engineer W. S. Farley, at the last meeting of the City Trustees submitted plans and specifications for the paving of the Court street section including Pine, Las Juntas, Pacheco Boulevard and intersecting streets. Minor changes were ordered in the specifications.

The Trustees have adopted the plans of Engineer Farley for the paving of Talbert, Main and Smith streets. The new plans call for a four inch black base and a two-inch Warrenite top on the main traveled streets and a three inch base with a two inch top and one and one-half inch top on the residence streets.

## RAILROADS

NAPA, Napa Co., Cal.—Engineer D. R. Morgan of Berkeley and L. M. MacDermott of Oakland have been recent visitors in Napa County investigating the feasibility of promoting a railroad to tap Chiles and Pope Valleys. The line would extend on into Lake County with a branch into the Berryessa Valley.

VALLEJO, Solano Co., Cal.—The San Francisco, Napa and Calistoga Railway Company, Chas. E. Brown, General Manager, has applied to the Vallejo City Council for the abandonment of its lines in Georgia and Sonoma streets and asks that it be permitted to construct a new line along the waterfront and through the Sacramento Northern cut to the point where its present line intersects Mississippi street, near the city limits.

Alf E. Edgcumbe is City Clerk of Vallejo.

## FIRE EQUIPMENT

MODESTO, Stanislaus Co., Cal.—The City Electrician has been instructed by the Council to secure estimates of cost for installing a three-signal light police alarm system in the business district.

# Official Proposals.

**STATE OF CALIFORNIA.**

**DEPARTMENT OF ENGINEERING.**

**CALIFORNIA HIGHWAY COMMISSION**

**NOTICE TO CONTRACTORS.**

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 19, 1920,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Fresno County, between Oil King School and Huron Road (VI-Fre-10-B), about 12 miles in length to be paved with Portland cement concrete.

Inyo County, between Indian Allotment and Division Creek (VI-Iny-23-A), about 7.5 miles in length to be graded.

Riverside County, between NE Cor. Sec. 6, T. 7 S.,R. 8 E., S. B. B. & M., and Southerly Boundary (VII-Riv-26-G), about 143 miles in length to be paved with Portland cement concrete.

Imperial County, between Gravel Wash and Northerly Boundary (VII-Imp-26-E), about 83 miles in length to be paved with Portland cement concrete.

Imperial County, between Tule Wash and Gravel Wash (VII-Imp-26-D), about 6.5 miles in length to be paved with Portland cement concrete.

The last three sections are contiguous to one another and bids for them may be submitted separately or jointly.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
GEO. R. WINSLOW,
1st Ass't Highway Engineer.
WILSON R. ELLIS,
Secretary.

Dated December 22, 1919.

**NOTICE TO CONTRACTORS.**

**Klamath River Road (Happy Camp-Somes Bar Section); Salmon River Road (Somes Bar-Humboldt County Line Section).**

SEALED proposals for construction or improving the above named sections of the National Forest Road Projects, located within or partly within the Klamath National Forest, State of California, County of Siskiyou, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Building, San Francisco, California, until 2 o'clock p. m. on the 19th day of January, 1920, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

Bids will be received on alternate propositions as follows:

Klamath River project 8.8 miles, Salmon River project 0.7 miles, a total of 9.5 miles; and Klamath River project 15.9 miles, Salmon River project 0.7 miles, a total of 16.6 miles.

The principal items of work are approximately as follows:

Clearing and grubbing, 9.5 miles, 500 stations; 16.6 miles, 877 stations.

Excavation, unclassified, 9.5 miles, 130,700 cu. yds.; 16.6 miles, 284,000 cu. yds.

Dry Rubble Masonry, 9.5 miles, 600 cu. yds.; 16.6 miles, 871 cu. yds.

Log Cribbing, 9.5 miles, 970 sq. ft.; 16.6 miles, 4,760 sq. ft.

Timber Bridging, 9.5 miles, 258 lin. ft.; 16.6 miles, 766 lin. ft.

Corrugated Metal Pipe, 9.5 miles, 2,328 lin. ft.; 16.6 miles, 4,750 lin. ft.

Finishing Earth Road, 9.5 miles, 9.5 miles; 16.6 miles, 16.6 miles.

The work embraced in this contract shall be started within ten days after notice of award has been given the contractor, and shall be completed within 225 weather-working days after starting, for the 9.5 mile alternative, and 450 weather-working days after starting for the 16.6 mile alternative (page 6).

The contract form and the maps, plans, specifications and estimate of quantities may be examined by responsible contractors at the following addresses: 886 Mills Building, San Francisco, Calif After Jan. 1, 1920, District Ranger, Orleans, Calif.; after Jan. 1, 1920, H. F. Ferrill, Eureka, Cal.

All proposals must be made on forms furnished by the District Engineer, Bureau of Public Roads, and in accordance with instructions forming a part of specifications above referred to.

C. H. SWEETSER,
District Engineer.

**NOTICE INVITING SEALED BIDS FOR CONSTRUCTION WORK FOR CORDUA IRRIGATION DISTRICT.**

SEALED BIDS or proposals are herewith invited for the construction of that portion of the irrigation works of the Cordua Irrigation District generally described as follows:

1. One semi-circular metal flume, approximately Thirty One Hundred (3100) feet long and approximately 76.4 inches in diameter, supported on a wooden substructure on concrete footings with reinforced concrete inlets and outlets for the same.

2. One semi-circular metal flume, approximately Ten Hundred and Fifty (1050) feet in length and approximately 76.4 in. diameter, supported on a wooden substructure on concrete footings with reinforced concrete inlets and outlets for the same; more definite particulars concerning which can be obtained from the plans and specifications therefor on file with the Secretary of the Board of Directors of said district at the office of said Board in the Ellis Block in the City of Marysville, County of Yuba, State of California.

Such proposals and bids will be received by the Secretary of said Board of Directors at the said office of said Board up to the 10th day of January, 1920, at the hour of Ten o'clock A. M., at which time and place said proposals will be opened.

Each bid must be accompanied by a certified check in the amount of ten per cent of the bid, conditioned that if the bid be accepted the Bidder will with said District enter into a Bond with good and sufficient sureties to be approved by said Board of Directors, payable to the District for its use, for Twenty-five per cent of the amount of the contract price, conditioned for the faithful performance of such contract.

By order of the Board of Directors of said District.

Dated this 18th day of December, 1919.

WARREN STEEL,
Secretary of Said Board of Directors.
(tf)

**NOTICE INVITING SEALED BIDS FOR CONSTRUCTION WORK FOR CORDUA IRRIGATION DISTRICT.**

SEALED BIDS or proposals are herewith invited for the construction of that portion of the irrigation works of the Cordua Irrigation District generally described as follows:

A main irrigation canal approximately six miles in length requiring approximately 35,000 cubic yards of excavation and 10,000 cubic yards of embankment, together with the installation of necessary drainage culverts.

More definite particulars concerning which can be obtained from the plans and specifications therefor on file with the Secretary of the Board of Directors of said District at the office of said Board in the Ellis Block in the City of Marysville, County of Yuba, State of California.

Such proposals and bids will be received by the Secretary of said Board of Directors at the said office of said Board up to the 10th day of January, 1920, at the hour of Ten o'clock A. M., at which time and place said proposals will be opened.

Each bid must be accompanied by a certified check in the amount of ten per cent of the bid, conditioned that if the bid be accepted the Bidder will with said District enter into a Bond with good and sufficient sureties to be approved by said Board of Directors, payable to the District for its use, for Twenty-five per cent of the amount of the contract price, conditioned for the faithful performance of such contract.

By order of the Board of Directors of said District.

Dated this 18th day of December, 1919.

WARREN STEEL,
Secretary of Said Board of Directors.
(tf)

**SECOND-HAND LUMBER WANTED.**

LUMBER suitable for rough construction, quantities of 3x4, R. W., 12 to 18 feet lengths, 2x6 pine, 4 feet and multiples thereof, and 1x6 and 1x4 various lengths. Address C. L. Rakestraw, 240 Montgomery street, care U. S. Engineer Office, San Francisco.

Dec. 26, 1919.

**NOTICE TO BIDDERS.**

SEPARATE SEALED PROPOSALS will be received at the office of the Board of Trustees of the Modesto High School District of Stanislaus County, California, at the High School Building, Modesto, California, between **7:30 P. M. and 8:30 P. M., January 19th, 1920,** for the General Work of the Science Wing Addition and the Manual Arts Building Addition to the present High School Building, and for the Plumbing for the Cafeteria Wing, the Science Wing Addition, and the Manual Arts Building Addition to the present High School Building. Bids will be opened at the end of the latter hour, and publicly announced.

The heating and electrical work are not included in the general work of the Science Wing Addition and the Manual Arts Building Addition, but will be let under separate contracts later.

Plans and specifications for both divisions of the work may be seen at the Office of the Board or at the Office of the Architect, John J. Donovan, 414 13th Street, Oakland, California. A deposit of $20.00 will be required as a guarantee of the return of the plans and specifications taken from either office and will be refunded to the Contractor when the plans and specifications are returned in good condition.

Bidders will take special notice that under no circumstances will proposals be received after the hour specified in this advertisement.

Accompanying each proposal shall be a statement stating the maximum number of working days the bidder will agree to fully complete the work of this contract. Time is the essence of the contract and the least maximum time stated to complete the work by bidders will receive full consideration by the Board of Trustees in awarding the contract.

In awarding the contract, bidders shall understand that it will be necessary to file two bonds with the contract: One, to the extent of 50 per cent of the amount of the contract for faithful performance of the work; the other, for 50 per cent of the amount of the contract called a lien bond for labor and material. The form of all bonds shall comply with the State Laws governing same and is subject to the approval of the district attorney.

Proposals shall be delivered to Kathleen G. Prewett, Clerk of Board of Trustees, High School District, Modesto, California, enclosed in an opaque, sealed envelope addressed to the Board of Trustees, Modesto High School District of Stanislaus County, California. Place on the envelope the name of the bidder, and the words:

"Bid on General Work For High School Additions."

A certified check of 10 per cent of the amount of the proposal, payable to the High School District of Stanislaus County, California, must accompany each proposal. Should a bidder fail to obtain a bond and sign a contract for the amount of his proposal, his check will be forfeited. All checks will be returned to the bidders on application at the office of the Clerk of the Board after the contract has been signed and bond furnished by the Contractor whose bid has been accepted.

The competency and responsibility of bidders will be considered in making the award. The Board of Trustees reserves the right to reject any or all bids.

Dated this 2nd day of January, 1920.

KATHLEEN G. PREWETT,
Clerk, Board of Trustees of the Modesto High School District. (tf)

# Huge Building Wave Strikes San Francisco.

**Board of Public Works Issues Monthly and Yearly Building Report Showing Private Construction on the Increase.**

That San Francisco is facing a huge building program during the year, 1920, is indicated by the increased activities of the present day and the favorable comment of architects and engineers who are rushing to completion plans for various projects.

Despite the high costs and scarcity of building materials, statistics from all sections of the country indicate a renewed activity in the building business and San Francisco stands out as the Pacific Coast city to head the list.

Construction of projects which in the past were "laid over for further consideration" have been decided upon for the prospective builder has commenced to realize that each day of delay means a financial loss and that prices will not take a downward course, but on the contrary go higher.

Based on the number of building permits approved by the Board of Works during December, Chief Inspector John P. Horgan estimates that during the month of December $1,368,827 were expended in building construction, of which $1,036,037 was for new buildings and $332,790 for repairs, alterations and additions to standing structures. Horgan segregated the figures as follows:

| Class | No. of Bldgs. | Amt. |
|---|---|---|
| "A" | 1 | $ 70,000 |
| "B" | 1 | 4,000 |
| "C" | 20 | 446,790 |
| Frame | 86 | 461,807 |
| Alterations | 351 | 332,790 |
| Harbor | 2 | 53,440 |
| Total | 461 | $1,368,827 |

Covering the same period during the year 1918, Chief Inspector Horgan's figures show a total of 222 permits issued representing a total valuation of $477,002.

Covering the twelve months of 1919, the Building Bureau reports the issuance of 5,362 permits with a grand total of $15,163,242.

**FOREIGN TRADE SITUATION ANALYZED.**

"The excess of American exports over imports has grown out of bounds," in the opinion of Philip B. Kennedy, whose first annual report as Director of the Bureau of Foreign and Domestic Commerce, Department of Commerce, was made public recently.

"There is no question about the demand for American goods abroad," says Mr. Kennedy. "Europe is still experiencing an acute shortage of food, raw materials, and all kinds of manufactured goods. Lacking imports to balance our exports, the pertinent question is the extent to which we can safely take future promises to pay. Whatever one's views about the proper nature of the peace settlement, all may readily see and agree that foreign credit arrangements are being delayed awaiting a more stabilized condition. Unless certain reasonably adequate credits are soon made to foreign countries, our exports may be expected to fall off on account of depreciated foreign exchange.

"It is easy to magnify or minimize unduly the real signficance of our trade gains," continues the report. "The observer who ignores the changing value of the dollar and leaves out of consideration the unusual demand and the lack of competition may conclude that the gain is much more substantial than it really is. On the other hand there is no lack of writers who argue that the whole apparent gain is illusory. They emphasize the peculiar advantages that have been enjoyed by our exporters without allowing for the serious difficulties that have had to be overcome. Our trade has unquestionably been retarded by lack of shipping, by the trade restrictions that still persist, and, above all, by inadequate means of financing trade. The real situation is midway between these two extremes. The gain in value of exports in 1919 over 1918 was not due solely to an advance in prices, even though there was little or no gain in quantity. It is due more to a change in the class of goods exported. For instance, we shipped 4,500,000 tons less of coal in 1919, but we shipped 5,000,000 tons more of wheat and cotton and meat and miscellaneous goods. This substitution of a higher class of goods has had much to do with the gain in value of exports."

**Scarcity of Men with Foreign Business Training.**

In discussing the future of the Bureau's work the report calls attention to the fact that it must compete with private concerns for men. There is a great scarcity of men with foreign business training and experience. The Bureau is constantly losing some of its most effective men to private concerns. Other men are remaining in the service with the hope that provisions will be made that will enable them to make it a career.

Director Kennedy believes that if the foreign commercial service of our Government is to be on as high a plane as it should be, it needs public encouragement and support. "The kind of men who will find their way into our foreign service," he says, "are usually prepared to work for less compensation than they would expect in private business, provided some recognition is given of their public service. It is very discouraging to these men to feel that there is lack of understanding of foreign problems at home or lack of appreciation of the work that they are doing. The foreign representatives of the Bureau of Foreign and Domestic Commerce tour the United States before going to their posts and on returning from their posts, in order to have the closest possible contact with business men. The encouragement and approval given by business men have done more than anything else to put heart and energy into this service. The business men of the country are coming to meet our men more than halfway. There is no reason why the foreign commercial service of the Government should not have the same confidence and standing that have been accorded to the military and naval services. It should also have the same permanency. The time has come when the foreign commercial service should not be incidental, but a real factor in the safety and well-being of this country. There is much still to be done to place the service on a basis that will be permanent and progressive. The time when this problem should be seriously considered is not in the future, but during this present year."

**Time to Lay Foundations for Permanent Foreign Trade.**

"American export firms should realize that now is the time to lay foundations for permanent foreign trade," declares the report. "At this time, when the pulse of foreign business conditions is uncertain and subject to rapid changes, policy must be formulated on the basis of most recent and authentic information. World trade adjustment is going on. It is often difficult, however, to distinguish real development from unfounded rumors. Many ambitious projects have little behind them. American firms should test every proposition for trade development very carefully."

"The character of our foreign business today will determine our opportunities of tomorrow. If American exports are made to assist in restoring essential production abroad and lead to sound world economic conditions, the resulting security will enable trade to then go ahead with confidence. The United States is at present the world's principal producer. It is especially important that we face the general question of our export trade in a farsighted business manner. We have a big stake in the stability of world economic conditions. Our future as an exporting nation depends to a large degree upon our policy in the immediate crisis."

**TRADE LITERATURE WANTED.**

Max E. Cook, Farmstead Engineer for the State Land Settlement Board, Delhi Colony, Turlock, Cal., desires to receive all trade literature, particularly of farm building materials and equipment.

Engineer Cook states that the colony covers 8,000 acres, 6 miles south of Turlock, on which it is intended to build approximately 300 farms within the next two years.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| | | | |
|---|---|---|---|
| 2841 | Figone | Devencenzi | 25000 |
| 2842 | Altvater | Nelson | 600 |
| 2843 | McConaghy | Owner | 1000 |
| 2844 | Uhl | Owner | 1000 |
| 2845 | Osborn | Monson | 3500 |
| 2846 | Himbldt Bk | Cal Art Mtl | 2700 |
| 2847 | Freeman | Bufano | 2000 |
| 2848 | Hamburger | Lawson | 66500 |
| 2849 | U. S. Metal | Schell | 4500 |
| 2850 | Berendson | Ingraham | 5000 |
| 2851 | Johnson | Owner | 6000 |
| 2852 | Matson | Lindgren | 80000 |
| 2853 | Empress | Brumfield | 500 |
| 2854 | Kleiber | Zimmerman | 2000 |
| 2855 | Crocker | Samuelson | 5800 |
| 2856 | Soc of Pioneers | O'Neill | 900 |
| 2857 | McCain | Hansen | 7889 |
| 2858 | Cheyra | Cohn | 15420 |
| 2859 | McKee | Beck | 19990 |
| 2860 | Butcher | Mealey | 5250 |
| 2861 | Same | Carillon | 1525 |
| 1 | San Christina | Gracé | 900 |
| 2 | Sullivan | Smith | 1615 |
| 3 | Washgtn Inv | Amer. Conc | 25000 |
| 4 | H. K. H. Silk Co | Mullen | 2000 |
| 5 | Smith | Owner | 2500 |
| 6 | Mariani | Turner | 3696 |
| 7 | Same | Paraffine | 1427 |
| 8 | Berendsen | Ingraham | 5000 |
| 9 | McConaghy | Wegner | 1507 |
| 10 | Ginsberg | Kragen | 1000 |
| 11 | Bodley | Ross | 900 |
| 12 | Lepetich | Owner | 700 |
| 13 | Reilly | Owner | 25000 |
| 14 | Ortiz | Arnott | 3900 |
| 15 | Gallagher | Owner | 3950 |
| 16 | Hirsh | Petersen | 1000 |
| 17 | Bercovich | Home | 3380 |
| 18 | Rosseter | Gibberd | 500 |
| 19 | Born | Born | 7000 |
| 20 | Lange | Lange | 3000 |
| 21 | Lagomarsino De Benedetti | | 13500 |

#### PERMITS.

TENEMENTS
(2841) SE BAKER AND GREEN. Three-story and basement frame (12) tenements.
Owner—A. Figone, 2631 Baker, San Francisco.
Architect—Thomas Bros., Russ Bldg., San Francisco.
Contractor—Devencenzi Bros., 1071 Union St., San Francisco.
COST, $25,000

REPAIRS
(2842) NE CORTLAND AVE. and Mission. Repair plaster, concrete, foundation and floor.
Owner—Mr. Altvater, 2565 Mission, San Francisco.
Architect—None.
Contractor—Emil Nelson, 39 Delmar, San Francisco.
COST, $600

ALTERATION
(2843) NE GRANT AVE. and Pine. Change front, new flooring, etc.
Owner—John McConaghy, 425 Kearny San Francisco.
Architect—W. H. Crim, Jr., 425 Kearny, San Francisco.
COST, $1000

ALTERATION
(2844) NO. 255 GEARY. Alterations for store.
Owner—A. Uhl, 38 O'Farrell, San Francisco.
Architect—None.
COST, $1000

ADDITION
(2845) S MISSION 100 E 6th. Additional story for packing house (concrete).
Owner—E. T. Osborn, 519 California, San Francisco.
Architect—D. C. Coleman, 20 Montgomery, San Francisco.
Contractor—Monson Bros., 110 Jessie, San Francsico.
COST, $3500

#### RECORDED.

ALTERATION
(2846) NO. 783 MARKET. All work of taking down present vestibule, erection of wrought iron and bronze entrance and screen to banking room.
Owner—Humboldt Savings Bank, Prem.
Architect—Smith O'Brien, Bankers Investment Bldg., San Francisco.
Contractor—California Artistic Metal & Wire Co., 349 7th, San Francisco.
Filed Dec. 29, '19. Dated Dec. 22, '19.
Completed and accepted .....$2025
Usual 35 days ..... 675
TOTAL COST, $2700
Bond, Sureties, None. Forfeit, $10. Limit, 60 days. Plans and specifications filed.

CLAY MODEL
(2847) TUCSON, ARIZONA. A clay model for sculptured panel, 186 in. long by 30 in. high, for Merrill Pengree Freeman Memorial.
Owner—Dr. H. W. Fenner, Leo Goldschmidt and Selim Franklin, trustees Est. Merrill Pengree Freeman, deceased.
Architect—B. R. Maybeck, Lick Bldg., San Francisco.
Contractor—B. Bufano.
Filed Dec. 29, '19. Dated Dec. 16, '19.
Completed and accepted .....$1500
Usual 35 days ..... 500
TOTAL COST, $2000
Bond, Sureties. Forfeit, none. Limit, 60 days after Dec. 15, 1919. Plans and specifications filed.

FACTORY
(2848) NE CLARA and 6th. N 80xE 137-6. All work for a three-story brick factory building.
Owner—David Hamburger, Betty Kaufman, Daisy Hamburger, 130 Sutter, San Francisco.
Architect—T. Patterson Ross, 310 California, San Francisco.
Contractor—A. W. Lawson, 180 Jessie, San Francisco.
On 1st and 15th of each month 75%
Usual 35 days ..... 25%
TOTAL COST, $66,500
Bond, Sureties, none. Forfeit, $25. Limit, 120 days. Plans and specifications filed.

#### PERMITS.

SHOP
(2849) E JUNIPER 250 S Folsom. One story brick shop.
Owner—U. S. Metal Products Co., 555 10th, San Francisco.
Architect—None.
Contractor—S. Schell, 180 Jessie, San Francisco.
COST, $4500

FRAME DWELLING
(2850) W FIFTEENTH AVE 175 S Judah. One-story and basement frame dwelling.
Owner—Julius Berendson, 749 Divisadero, San Francisco.
Architect—None.
Contractor—Mark C. Ingraham, 450 Duboce Ave., San Francisco.
COST, $5000

FRAME DWELLINGS
(2851) W PLYMOUTH 200 and 225 N Grafton. Two one and one-half-story and basement frame dwellings.
Owner—Nels P. Johnson, 223 Louisburg, Sab Francisco.
Architect—None.
Day's work. COST, $3000 each

RESIDENCE
(2852) NO. 1918 JACKSON. Three-story and basement frame residence.
Owner—Mrs. Lillie B. Matson, 1824 Jackson, San Francisco.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
COST, $80,000

ALTERATIONS
(2853) NO. 957 MARKET. Remodel marquee.
Owner—Empress Hammam Baths, 957 Market, San Francisco.
Architect—None.
Contractor—Brumfield Elec. Sign Co., 18 7th, San Francisco.
COST, $500

FOUNDATION
(2854) SW JUNIPER AND FOLSOM. Erect foundation only for shop building.
Owner—Kleiber & Co., Inc., 1480 Folsom, San Francicso.
Engineer—Richard tum Suden, 1480 Folsom, San Francisco.
Contractor—L. Zimmerman, 180 Jessie, San Francisco.
COST, $2000

DWELLINGS
(2855) E NAPLES 175 and 225 N Geneva. Two one-story and basement frame dwellings.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph, San Francisco.
COST, $2900 each

ALTERATIONS
(2856) SW FOURTH AND PIONEER Place. Remodel entrance to dining room.
Owner—Society of Pioneers.
Architect—None.
Contractor—Daniel O'Neill, 273 Minna, San Francisco.
COST, $900

#### RECORDED.

BUNGALOW
(2857) LOT 1 BLK 3189, Westwood Park. All work for one-story and basement frame bungalow and garage.
Owner—Ida F. McCain, 318 Kearny St., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—H. J. Hansen, 1327 20th Ave., San Francisco.
Filed Dec. 30, '19. D ated Dec. 22, '19.
Frame up and enclosed.....$1972.25
Brown coated ..... 1972.25
Completed and accepted..... 1972.25
Usual 35 days..... 1972.25
TOTAL COST, $7889.00
Bond, $3944.50. Sureties, E. V. Lacey and Albin Warden. Limit, 90 days. Forfeit, none. Plans and specifications filed.

CHAPEL, ETC.
(2858) W BUCHANAN 87-6 N Golden Gate Ave W 110 N 25 W 27-6 N 25 E 137-6 S 50. All work for two-story frame and brick veneer chapel and undertaking parlor.
Owner—The Chevra Kadisha, Inc., Laguna and Grove, San Francisco.
Architect—S. Heiman, 57 Post, St., San Francisco.
Contractor—Louis J. Cohn, Merchants National Bank Bldg., S. F.
Filed Dec. 30, '19. Dated Nov. 24, '19.
Frame up .....$3855
White coated ..... 3855
Completed and accepted..... 3855
Usual 35 days..... 3855
TOTAL COST, $15,420
Bond, $7710. Sureties, Geo. Cohn and Lou H. Silberman. Limit, 100 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported November 26, 1919, No. 2588.

CONCRETE BUILDING
(2859) W TWELFTH AND OTIS SW 66xNW 100. All work for one-story reinforced concrete building.
Owner—The McKee Co.
Architect—Albert W. Burgren, 661 Phelan Bldg., San Francisco.
Contractor—John E. Beck, 110 Jessie,

San Francisco.
Filed Dec. 30, '19. Dated Dec. 22, '19.
Concrete walls poured to truss line ..... $5000
Lathing done ..... 5000
Completed and accepted..... 4990
Usual 35 days..... 5000
TOTAL COST, $19,990
Bond, $9995. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, $10. Plans and specifications filed.

AUTO REPAIR SHOP
(2860) NE ELEVENTH 25 NW Natoma NW 100 NE 100 SW 125 SW 25 NW 25 SW 75. Brick work, cementing tops of firewalls and setting seven iron lintels over doors for one story brick auto repair shop.
Owner—Thos. W. Butcher, 180 Jessie, San Francisco.
Architect—M. V. Politeo, 1st National Bank Bldg., San Francisco.
Contractor—Mealey & Collins, 180 Jessie, San Francisco.
Filed Dec. 30, '19. Dated Dec. 30, '19.
Walls ready for roof trusses. $2500.00
Brick work done..... 1437.50
Usual 35 days..... 1312.50
TOTAL COST, $5250.00
Bond, none. Limit, 30 days. Forfeit, $10. Plans and specifications filed.
NOTE:—Permit reported December 23, 1919, No. 2805.

(2861) CONCRETE FLOORS AND PIT on above.
Contractor—Chas. A. Carillon, 180 Jessie, San Francisco.
Filed Dec. 30, '19. Dated Dec. 30, '19.
Completed and accepted..... $1143
Usual 35 days..... 382
TOTAL COST, $1625
Bond, none. Limit, 15 days after notified. Forfeit, $10. Plans and specifications filed.

**PERMITS.**

REPAIRS
(1) S CLAY 123-10 W Polk. Repairs and alterations for garage.
Owner—San Christinia Inv. Co., 1st National Bank Bldg., S.F.
Architect—None.
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.
COST, $900

ALTERATIONS
(2) N FALCON 37-8 SE Mono. Move dwelling 12 feet and alter same.
Owner—Nora and Jeremiah Sullivan, 929 Falcon Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine, San Francisco.
Contractor—Herbert W. Smith, 777 Corbett Ave., San Francisco
COST, $1615

GARAGE
(3) N WASHINGTON 68-9 W Jones. Two-story reinforced concrete garage.
Owner—Washington Investment Co., 785 Market, San Francisco.
Architect—Henry C. Smith, 785 Market, San Francisco.
Contractor—American Concrete Co., 785 Market, San Francisco
COST, $25,000

ALTERATION
(4) NO. 112 KEARNY. Alter for offices, partitions, etc.
Owner—H. K. H. Silk Co., of N. Y., Inc., Premises.
Architect—None.
Contractor—Mullen Mfg. Co., 64 Rausch, San Francisco.
COST, $2000

DWELLING
(5) W CURTIS 48-15 S Rolph. One-story and basement frame dwelling
Owner—Martin Smith, 114 Girard, San Francisco.
Architect—None.
COST, $2500

**RECORDED**

(6) W MISSION 263-0¾ S 29th S 66-2 W 74 S 42-9 W 25-9 S 14-10 W 60-3 N 123-9 E 160 and strip 8 feet wide adj. on E and NE bdy. and right-of-way over 8 feet along N side. All work for plumbing for theatre building.
Owner—Stephen Mariani, 2881 23rd St., San Francisco.
Architect—Reid Bros., 105 Montgomery, San Francisco.
Contractor—The Turner Co., 272 Natoma, San Francisco.
Filed Dec. 31, '19. Dated Dec. 4, '19.
On 7th of each month..... 76%
Usual 35 days..... 25%
TOTAL COST, $3696
Bond, $1850. Sureties, D. Turner and S. D. Allen. Limit, without delay. Forfeit, $20. Plans and specifications filed.

(7) ROOFING ON ABOVE.
Contractor—The Paraffine Companies, 40 First, San Francisco.
Filed Dec. 31, '19. Dated Nov. 22, '19.
Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, $1427
Bond, $750. Surety, ——. Limit, without delay. Forfeit, $20. Plans and specifications filed.

DWELLING
(8) W FIFTEENTH AVE 175 S "J" (Judah). All work for six-room and basement frame dwelling.
Owner—Julius Berendsen, 749 Divisadero, San Francisco.
Architect—None.
Contractor—Mark C. Ingraham, 450 Duboce Ave., San Francisco.
Filed Dec. 31, '19. Dated Dec. 29, '19.
Frame up ..... $1250
Brown coated ..... 1250
Completed and accepted..... 1250
Usual 35 days..... 1250
TOTAL COST, $5000
Bond, none. Limit, 90 days. Forfeit, $1. Plans and specifications none.
NOTE:—Permit reported December 31, 1919, No. 2850.

ALTERATIONS
(9) NE PINE AND GRANT AVE. All work for alterations and additions to a Class "C" building.
Owner—John McConaghy.
Architect—W. H. Crim Jr 425 Kearny St., San Francisco.
Contractor—Wegner & Blob, 593 Market, San Francisco.
Filed Dec. 31, '19. Dated Dec. 29, '19.
Completed and accepted..... $1130
Usual 35 days..... 377
TOTAL COST, $1507
Bond, $754. Sureties, R. E. Guererian and Johan Jory. Limit, 25 days. Forfeit, $5. Plans and specifications filed.
NOTE:—Permit reported Dec. 30, 1919, No. 2843.

ALTERATIONS
(10) NO. 2524 MISSION. Alter show windows.
Owner—Glinsberg Millinery, Fillmore near Eddy, San Francisco.
Architect—None.
Contractor—Louis Kragen, 743 Gough, San Francisco.
COST, $1000

ADDITION
(11) NO. 2524 MISSION. Add 22 feet to present store.
Owner—L. W. Bodley, 68 Post, S. F.
Architect—None.
Contractor—D. W. Ross, 180 Jessie, San Francisco.
COST, $900

ALTERATIONS
(12) NO. 798 MARKET. Enlarge store doors.
Owner—Milton K. Lepetich, Premises.
Architect—None.
Day's work. COST, $700

GARAGE
(13) N ELLIS 122-6 W Larkin. Two-story concrete garage.
Owner—P. F. Reilly, 180 Jessie, San Francisco.
Architect—None.
Day's work. COST, $25,000

(14) W MIRAMAR 200 N Holloway. One and one-half-story and basement frame dwelling.
Owner—F. Ortiz, 22nd and Chattanooga, San Francisco.
Architect—None.
Contractor—J. A. Arnott & Son, 2223 19th Ave., San Francisco.
COST, $3900

FRAME DWELLING
(15) N ULLOA 107-6 W 32d Ave. One-story and basement frame dwlg.
Owner—E. J. Gallagher, 112 Lyon St., San Francisco.
Architect—None.
Day's work. COST, $3950

ALTERATIONS
(16) NO. 1045 MARKET. Alter store front and erect mezzanine floor.
Owner—Hirsh Millinery, 971 Market, San Francisco.
Architect—None.
Contractor—Antone Petersen, 2722 San Bruno Ave., San Francisco.
COST, $1000

FIXTURES & FITTINGS
(17) NW SACRAMENTO and Embarcadero. Fixtures and fittings, etc., for cigar store.
Owner—H. Bercovich Cigar Co.,
Architect—Alfred Henry Jacobs, 110 Sutter, San Francisco.
Contractor—Home Manufacturing Co., 543 Brannan, San Francisco.
Filed Jan. 2, '20. Dated Jan. 2, '20.
Completed and accepted ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $3380
Bond, Sureties, None. Forfeit, $20, bonus, $20. Limit, Feb. 2, 1920. Plans and specifications filed.
NOTE. Permit also applied for today.

ALTERATIONS
(18) NO. 1701 TAYLOR. Extend porch for bath room.
Owner—J. H. Rosseter, Premises.
Architect—None.
Contractor—F. M. Gibberd, Powell St. near Sutter, San Francisco.
COST, $600

RESIDENCE
(19) SW FUNSTON AVE AND ANZA. Two-story and basement frame residence.
Owner—S. A. Born Bldg. Co., 37th Ave. and Shoreview, S. F.
Architect—Geo. A. Born, 37th Ave and Shoreview, San Francisco.
Day's work. COST, $7000

FACTORY
(20) SW BRYANT AND THIRD. One-story brick factory.
Owner—Lange & Bergstrom, 207 Sharon Bldg., San Francisco.
Architect—None.
Day's work. COST, $3000

BRICK BUILDING
(21) NW MISSION 70 S Ocean Ave NW 87.53 W 15.5¾ SW 51-5¼ SE 100 NE 53-1¾. All work except electric sign for one-story brick building.
Owner—George Lagomarsino, 5571 Mission St., San Francisco.
Architect—Paul F. De Martini, 2123 Powell St., San Francisco.
Contractor—Andrew De Benedetti, 20 Cotter St., San Francisco.
Filed Jan. 3, '20. Dated Dec. 26, '19.
Brick work up to line of trusses. $2500
Brick work completed..... 2500
Roof finished and cement floors in ..... 2500
Completed and accepted..... 2625
Usual 35 days..... 3375
TOTAL COST, $13,500
Bond, $6750. Sureties, G. Cavagnaro and A. Conti. Limit, 65 days after Jan. 1, 1920. Forfeit, $5. Plans and specifications filed.
NOTE—Permit reported December 16, 1919, No. 2736.

## LEASES.

**San Francisco County.**

Dec. 30, 1919—NO. 1962 FILLMORE. Hamilton Y. Bryan et al. to J. Spanos and L. Lozopoupos; 3 years; $2700.
Dec. 30, 1919—NO. 505 Devisadero. Marcus D. Wedrin to Samuel and R. Weisman; 2 years; $570.
Dec. 31, 1919—S TURK 57-6 E Polk E 30xS 85. Salvador A. Pacheco to Caroline Haus; 5 years; $450 a month.
Jan 2, 1920—NOS 134-140 SACRAMENTO and 135-141 Commercial. Sophie Lutgen to International Co. of Baltimore; 5 years; $24,000.

## ARCHITECT'S CERTIFICATE.

Geo. W. Kelham has been granted a Certificate of Architecture.

## COMPLETION NOTICES

**San Francisco County**

Dec. 27, 1919—W. 22nd AVE. 75 S Anza S 25xW 57-6. George A. Ber-

tram to Theodore G. Meyer..... Dec. 26, 1919

Dec. 27, 1919—101 WALNUT S W Cor. Walnut and Jackson. J. H. Polhemus agent for Jane W. Polhemus to L. J. Neal .....Nov. 17, 1919

Dec. 27, 1919—ALL OF LOTS 22 and 24 in Blk. 2981, Merritt Terrace. Geo. N. Merritt to Harvy E. Morris .....

Dec. 26, 1919—N GEARY 90 W 37th Ave W 30 x N 90 Lot 48 Lyon & Hoag's Lot Sub. Lincoln Manor. Carl R Spooner to whom it may concern.....Dec. 27, 1919

Dec. 27, 1919—S W 12th AND ANZA S 25xW 95. Johnson & Johnson to whom it may concern..Dec. 26, '19

Dec. 29, 1919—NO. 25 FIRST. Buckingham & Hecht to Ira W Coburn .....Dec. 24, 1919

Dec. 29, 1919.—NE BUSH & TAYLOR E 45-10xN 100. Arthur F Rousseau to whom it may concern... .....Dec. 27, 1919

Dec. 29, 1919—S MAYNARD 75 W Craut W 25xS 85 Ptn Lot 21 Blk 4, College Hd. Ass'n. Waina L Hermanson to whom it may concern.. .....Dec. 29, 1919

Dec. 29, 1919—NO. 570 MISSION ST. D N & E Walter & Co to Grace & Bernieri.....Dec. 20, 1919

Dec. 30, 1919—NO. 102 LAKE. Aveira O. De Watson to Maas & McGahey .....Dec. 30, 1919

Dec. 30, 1919—LOTS 18 & 19, BLK. 26, St. Francis Wood Extension No. 2. Garden Homes Company to John Morton .....Dec. 27, 1919

Dec. 31, 1919—LOTS 26 & 27, BLK. 3175, Westwood Park. Herman C. Baumann to Robt. Black.Dec. 31, '19

Dec. 31, 1919—N FELL 82-6 W Gough 27-6x120. Albert Kornsthoeft to P. Hurley & F. Crothers .....Dec. 31, 1919

Dec. 31, 1919—E TWENTY-NINTH Ave. 237.203 S Lake S 25xE 120. Harry B. Allen to whom it may concern .....Dec. 29, 1919

Dec. 31, 1919—E TWENTY-NINTH Ave. 162.203 S Lake S 25xE 120. Harry B. Allen to whom it may concern .....Dec. 23, 1919

Dec. 31, 1919—E TWENTY-NINTH Ave. 187.203 S Lake, S 25xE 120. Harry B. Allen to whom it may concern .....Dec. 23, 1919

Dec. 31, 1919—S GEARY 52-9 E Polk E 58-9xS 120. Rowena H. De Pue and Correnah De P. Neville to F. A. Kales .....Dec. 10, 1919

Dec. 31, 1919—NE GOLDEN GATE Ave and Gough. Oscar H. Curtaz to whom it may concern.....

Dec. 31, 1919—W SIXTH AVE. 200 S Judah W 120, N 25, E 120. Fred Anderson to whom it may concern .....Dec. 31, 1919

## LIENS FILED.

### San Francisco County.

Dec. 27, 1919—NW EDINBURGH 175 NE France Ave. NE 25xNW 100, ptn. lot 6, blk. 39, Excelsior Homestead. Thos. Skelly vs. John Ryan ..... $246

Dec. 29, 1919—S OAK 105 E Masonic Ave 32-6 S 125 W 27-6 N 25 W 5 N 100. Patrick J Sullivan vs Pauline Claiborne .....$80

Dec. 31, 1919—N SADOWA 400 W Capitol. Greater City Lumber Co. vs. Lillie Dunbar .....$47.97

Dec. 31, 1919—N CALIFORNIA 34-4½ N Buchanan W 40xN 132-6. Fuller & Goepp vs. D. J. Patterson, Mrs. Helen B. Detrick .....$174.75

## DECEMBER BUILDING PERMIT TOTALS SHOW CONSTRUCTION ON INCREASE.

Building permits issued by the Board of Public Works during the month of December amounted to $1,389,887. Covering the same period during the year 1918 the total was $477,002.

A segregated list of the permits issued during the past month will be published in the Saturday issue of the Builder.

## BUILDING STATISTICS.

Ever since the Daily Pacific Builder was founded, 30 years ago, accurate statistics of all building operations have been carefully recorded, and preserved.

The following totals of private construction make interesting reading matter:

**Yearly Totals, San Francisco.**

| | |
|---|---|
| 1890 | $ 6,452,175 |
| 1891 | 7,534,926 |
| 1892 | 5,369,423 |
| 1893 | 5,365,610 |
| 1894 | 5,181,880 |
| 1895 | 5,639,942 |
| 1896 | 5,621,442 |
| 1897 | 4,203,900 |
| 1898 | 3,490,603 |
| 1899 | 4,732,748 |
| 1900 | 6,390,705 |
| 1901 | 7,437,562 |
| 1902 | 14,289,938 |
| 1903 | 14,984,514 |
| 1904 | 16,916,118 |
| 1905 | 20,111,861 |
| 1906 | 39,254,467 |
| 1907 | 50,496,499 |
| 1908 | 35,128,651 |
| 1909 | 30,411,196 |
| 1910 | 22,873,942 |
| 1911 | 24,431,268 |
| 1912 | 26,179,116 |
| 1913 | 21,517,108 |
| 1914 | 17,385,736 |
| 1915 | 15,735,325 |
| 1916 | 17,044,268 |
| 1917 | 13,936,990 |
| 1918 | 8,042,979 |
| 1919 | 18,157,940 |

**MONTHLY TOTALS, SAN FRANCISCO**

| Month | 1918 | 1919 |
|---|---|---|
| January | $ 764,466 | $ 407,485 |
| February | 521,880 | 618,004 |
| March | 1,144,090 | 809,337 |
| April | 868,720 | 1,201,753 |
| May | 703,446 | 1,117,088 |
| June | 921,083 | 1,446,018 |
| July | 1,140,263 | 1,795,660 |
| August | 690,911 | 2,729,017 |
| September | 570,403 | 2,097,610 |
| October | 276,098 | 1,973,906 |
| November | 170,972 | 2,018,624 |
| December | 268,243 | 1,943,438 |
| Total | $8,042,979 | $18,157,940 |

# BUILDING CONTRACTS

## Alameda County

| | | | |
|---|---|---|---|
| 4135 | Trahan | Vaughn | 3500 |
| 4162 | Fuller | Kulchar | 15000 |
| 4163 | Hollenbeck | Owner | 18300 |
| 4164 | Shell | Gutleben | 2000 |
| 4165 | Idora | Raymond | 4000 |
| 4166 | Lakeshore | Strang | 7500 |
| 4167 | Broderick | Stolte | 2985 |
| 4168 | Foulkes | Foulkes | 400 |
| 4169 | Lewis | Randlett | 750 |
| 4170 | Haley | Fish | 2500 |
| 4171 | Gschwind | Noble | 800 |
| 4172 | Merrill | Allen | 13000 |
| 4173 | Burgess | Owner | 500 |
| 1 | Hendrickson | Irish | 2800 |
| 2 | Martin | Martin | 3000 |
| 3 | Dolan | Dolan | 4000 |
| 5 | Shirk | Scammon | 3000 |
| 6 | Koski | Koski | 1600 |
| 7 | Morris | Cal Bldrs | 4900 |
| 8 | Nicholson | Tupper | 5000 |
| 9 | Aluminum Prod | Pedgrift | 400 |
| 10 | Shaw | Malley | 400 |
| 11 | Kronenberg | Walker | 1500 |
| 12 | Lloyd | Owner | 2400 |
| 13 | Lee Yuen | Thornalley | 2950 |
| 14 | Pfrang | Pfrang | 3000 |
| 15 | Pfaltzgraff | Charleston | 3000 |
| 16 | Mattern | Taylor | 22735 |
| 17 | Wilson | Wilson | 3850 |
| 18 | Baths | Baths | 2000 |
| 19 | Field | Field | 3000 |
| 20 | Hetland | Johnson | 5000 |
| 21 | Trihune | Pedgrift | 13765 |
| 22 | Holmes | Holmes | 3100 |

ALTERATIONS
(4162) NO. 469 ELEVENTH, Oakland. Alter cafe into store.
Owner—Mrs. J. H. Fuller, 306 Euclid Ave., Oakland.
Architect—None.
Contractor—S. Kulchar & Co., 8th Ave and E-10th St., Oakland.
COST, $15,000

DWELLINGS
(4163) E FILBERT 165, 120, 205, 245, and 285 N 26th, Oakland. Five one-story 6-room dwellings.
Owner—G. B. Hollenbeck, 966 26th St., Oakland.
Architect—None.
Day's work.
COST (1) $3300; (4) $3000 each

SERVICE STATION
(4164) SW THIRTEENTH AND FALLON, Oakland. Steel service station.
Owner—Shell Oil Co. of California, San Francisco.
Architect—None.
Contractor—Gutleben Bros., New Call Bldg., San Francisco.
COST, $2000

NOAH'S ARK
(4165) IDORA PARK, Oakland. All work for Noah's Ark.
Owner—Idora Park Co., Oakland.
Architect—None.
Contractor—Le Roy Raymond, Venice, Calif. COST, $4000

DWELLING
(4166) N LONGRIDGE ROAD 50 from Rosemont Road, Oakland. Two-story 7-room dwelling.
Owner—Lakeshore Highland Co., Syndicate Bldg., Oakland.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $7500

DWELLING
(4167) E WILSON AVE 170 S Hopkins, Oakland. One-story five-room dwelling.
Owner—W. F. Broderick, 3106 13th Ave., Oakland.
Architect—None.
Contractor—F. C. Stolte, 3449 Laguna Ave., Oakland.
COST, $2985

ALTERATIONS
(4168) NO. 1141 TWENTY-THIRD Ave., Oakland. Alterations.
Owner—Mrs. Edward Foulkes, 2610 E-14th, Oakland.
Architect—None.
Day's work. COST, $400

ALTERATIONS
(4169) NO. 1625 CENTRAL AVE, Alameda. Alterations and additions.
Owner—Mrs. Lewis, Premises.
Architect—None.
Contractor—E. A. Randlett, 1534 Chestnut, Alameda.
COST, $750

DWELLING
(4170) NO. 1201 HIGH, Alameda. One story 5-room dwelling.
Owner—Haley & Co., 2315 Santa Clara Ave., Alameda.
Architect—None.
Contractor—M. H. Fish, 1340 Versailles Ave., Alameda.
COST, $2500

ALTERATIONS
(4171) NO. 1233 VERSAILLES AVE., Alameda. Alterations.
Owner—R. W. Gschwind, Premises.
Architect—None.
Contractor—G. H. Noble, 2205 Santa Clara Ave., Alameda.
COST, $800

DWELLINGS
(4172) E MOSSWOOD ROAD 486 and 110-6 N Orchard Lane, Berkeley. Two two-story 7-room dwellings.
Owner—The Merrill Co., 121 Second St., San Francisco.
Architect—Harris Allen, Central Bank Bldg., Oakland.
Day's work. COST, $6500 each

REPAIRS
(4173) NO. 1503 EDITH, Berkeley. Repairs.
Owner—W. W. Burgess, 1245 Spruce, Berkeley.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1) NO. 1945 HARRISON, Oakland.

Alter dwelling into apartments.
Owner—R. L. Hendrickson, Premises.
Architect—None.
Contractor—H. E. Irish.
COST, $2800

DWELLING
(2) N PENNIMAN AVE. 100 W Eastman, Oakland. One-story five-room dwelling.
Owner—C. Martin.
Architect—None.
Day's work COST, $3000

DWELLING
(3) N MANDANA BLVD. 150 W Calmar, Oakland. One-story 6-room dwellling.
Owner—Leo J. Dolan, 2259 E-16th St., Oakland.
Architect—None.
Day's work. COST, $4000

DWELLING
(5) N HEARST AVE 50 E McGee, Berkeley. One-story 6-room dwelling.
Owner—Mrs. W. H. Shirk, 1719 Hearst Ave., Berkeley.
Architect—None.
Contractor—R. R. Scammon, 1719 Hearst Ave., Berkeley.
COST, $3000

DWELLING
(6) S RAMONA AVE 245 E Piedmont Ave., Oakland. One-story 4-room dwelling.
Owner—Matt Koski, 35 Ramona Ave., Oakland.
Architect—None.
Day's work. COST, $1600

DWELLING
(7) S PROSPECT 38 W Capell, Oakland. One-story 6-room dwelling.
Owner—H. Clay Morris, 1534 Franklin, Oakland.
Architect—None.
Contractor—California Builders' Co., 1534 Franklin, Oakland.
COST, $4900

(8) SW EL CENTRO & EDGEWOOD, Oakland. One-story 6-room dwlg.
Owner—J. W. Nicholson, 1534 Spring Berkeley.
Architect—None.
Contractor—Thad M. Tupper, 2310 Russell, Berkeley.
COST, $5000

BOILER HOUSE
(9) S E-ELEVENTH bet. Second and third Ave., Oakland. One-story concrete boiler house.
Owner—Aluminum Products Co., 201 E-11th, Oakland.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th, Oakland.
COST, $400

GARAGE
(10) W COLBY 150 S Sixty-second, Oakland. Garage.
Owner—J. S. Shaw, 6111 Colby, Oakland
Architect—None.
Contractor—H. Malley, 2947 West, Oakland. COST, $400

ADDITION
(11) NO. 2215 E-FOURTEENTH, Oakland. One-story brick addition.
Owner—Jos. Kronenberg, 2508 E-15th, Oakland.
Architect—None.
Contractor—S. E. Walker, 3237 Boston Ave., Oakland.
COST, $1500

DWELLING
(12) S SANTA RITA 80 W Thirty-eighth Ave., Oakland. One-story 4-room dwelling.
Owner—W. F. Lloyd, 3720 Boulevard, Oakland.
Architect—None.
Day's work. COST, $2400

ALTERATIONS
(13) SW TWELFTH AND WOOD, Oakland. Alterations.
Owner—Lew Yuen, Care Pacific Canning Co.
Architect—None.
Contractor—W. G. Thornalley, 565 16th St., Oakland.
COST, $2950

DWELLING
(14) S BEVERLY PLACE 175 E Monterey, Berkeley. One-story 5-room dwelling.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None.
Day's work. COST, $3000

DWELLING
(15) S MAPLE COURT 140 E Daten Ave., San Leandro. One-story 5-room dwelling.
Owner—L. Pfaltzgraff, 5339 Grove St., Oakland.
Architect—None.
Contractor—C. E. Charleston, 5627 Genoa St., Oakland.
Filed Jan. 2, '20. Dated Dec. 30, '19.
Owner pays all bills when due.....
TOTAL COST, $3000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(16) LOTS 6 AND 7, Oak Ridge, Berkeley. Brick work, concrete work, patent flues, carpenter, mill work, plumbing, electric work, lathing and plasterlng, iron, sheet metal, glass and glazing, tile work, etc., for two-story and basmeent dwellling.
Owner—G. A. Mattern, 2701 Regent St., Berkeley.
Architect—Louis M. Upton and Milton Latham, 452 Montgomery St., San Francisco.
Contractor—Chas. L. Taylor and Wm. H. Jackson (Taylor & Jackson) Call Bldg., San Francisco.
Filed Dec. 31, '19. Dated Dec. 29, '19.

| | |
|---|---|
| Rafters up | $3000 |
| Ready for lath | 4500 |
| Plastered | 2500 |
| Completed and accepted | 7035 |
| Usual 35 days | 5700 |

TOTAL COST, $22,735
Bond, $22,735. Surety, American Indemnity Co. Limit, 90 days after Jan. 5, 1920. Forfeit, none. Plans and specifications filed.

DWELLING
(17) SE WARD AND ELLSWORTH, Berkeley. One-story 6-room dwelling
Owner—Leslie D. Wilson, 2216 Blake, Berkeley.
Architect—None.
Day's work. COST, $3850

ALTERATIONS
(18) TWENTY-FOURTH AND BAY Place, Oakland. Alterations and repairs.
Owner—Piedmont Baths, Premises.
Architect—None.
Day's work. COST, $2000

DWELLING
(19) N SIXTY-THIRD 200 E Shattuck Ave., Oakland. One-story five-room dwelling.
Owner—John Field, 590 63rd, Oakland.
Architect—None.
Day's work. COST, $3000

DWELLING AND GARAGE
(20) LOT 33 BLK 9 Map Fourth Ave. Heights, Oakland. All work for six-room dwelling and garage.
Owner—Theresa E. Hetland, Box 421, Bay Point, Cal.
Architect—None.
Contractor—H. Elmer Johnson, Bkly.
Filed Jan. 2, '20. Dated Nov. 15, '19.

| | |
|---|---|
| Frame up | ¼ |
| Brown coated | ¼ |
| Completed and accepted | ¼ |
| 36 days after | ¼ |

TOTAL COST, $5000
Bond, none. Limit, 90 days. Forfeit, $1. Plans and specifications, none.

EXCAVATION, ETC.
(21) LOTS 10 AND 11 BLK 134, Kelsersbergers Map Tract, Oakland. Excavation, reinforced concrete work for garage.
Owner—Tribune Publishing Co., 13th & Franklin Sts., Oakland.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
Contractor—Jas. H. Pedgrift, 565 16th, Oakland.
Filed Jan. 3, '20. Dated Nov. ——.
5th day after 1st and 15th day of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $13,765
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING
(22) LOCATION NOT GIVEN, Alameda. All work for one-story dwelling.
Owner—Raymond Holmes, Locksley Hall Apts., San Francisco.
Architect—None.
Contractor—A. S. Holmes, 1179 Regent St., Alameda.
Filed Jan. 2, '20. Dated Jan. 2, '20.

| | |
|---|---|
| Frame up | ¼ |
| Plastered | ¼ |
| Completed | ¼ |
| Usual 35 days | ¼ |

TOTAL COST, $3100
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.
NOTE:—The above building will be located at 1500 Union St. Permit reportec December 27, 1919, No. 4157.

## COMPLETION NOTICES

### Alameda County

Dec. 27, 1919—N WESTERN PACIFIC MOLE, Oakland. Western Pacific Railroad to Hyde, Harjes & Co. .....Dec. 13, 1919
Dec. 27, 1919—CENTER DOCK, Western Pacific Mole, Oakland. Western Pacific Co. to Hyde,Harjes & Co. .....Dec. 23, 1919
Dec. 30, 1919—Lot 1, Diamond Vista, Oakland. Walter A Dahl to Edward Olsen.....Dec. 26, 1919
Jan. 2, 1920—(1) NE 50 LOT 6 BLK 14, Broadmoor; (2) NE 50 Lot 7 Blk 14, Broadmoor; (3) NE 50 Lot 9 Blk 14, Broadmoor, San Leandro. Omer F Darling to whom it may concern.....Jan. 2, 1920
Jan. 2, 1920—BOUNDED BY FOOTHILL Blvd, Hillside St., 72nd Ave., Garfield St. and 69th Ave., Okd. Chevrolet Motor Co. of Calif. by P J Walker Co to James & Drucker.. .....Dec. 29, 1919
Jan. 2, 1920—S THIRTY-FOURTH 125.6 W Elm S 111 E 39-6 N 107 W 39-10, Okd. Joseph A Saliger to California Builders Co..Dec. 29, 1919
Jan. 2, 1920—LOTS 16 AND 17 BLK 1 Map Auseon's Moss Tract, Okd. R J Pavers Inc to whom it may concern.....Dec. 29, 1919

## LIENS FILED.

### Alameda County

Nov. 17, 1919—S CHABOT ROAD 40 W Hearn W 40xS 100, Okd. Hogan Lumber & Mill Co vs R H Shultz and W Jesperson & A Dippo.$611.90
Nov. 18, 1919—S E-TWENTY-THIRD 100 E 7th Ave E 50xS 150, Okd. W P Fuller & Co vs Henry R Vail and L V Dixon .....$131.23
Dec. 29, 1919—SE ELEVENTH 40 NE E-24th, Okd. E K Wood Lumber Co vs A E and R W Farmer.$1050.49
Dec. 29, 1919—W STANTON 50 S Ashby Ave, Bkly. E Lightfoot and R G Goebbels (Standard Art Glass Works), $66.55; Redwood Mfg. Co., $400.06 vs H Nielsen and Milton Schroeder .....

## SUMMARY OAKLAND BUILDING PERMITS FOR THE MONTH OF DECEMBER, 1919.

| Classification of Buildings | No. of Permits | Costs |
|---|---|---|
| 1-story dwellings | 57 | $157,685 |
| 1½-story dwellings | 1 | 4,000 |
| 2-story dwellings | 11 | 104,253 |
| 2-story apartments | 3 | 15,900 |
| 2-story office & stores | 1 | 7,000 |
| 1-story office | 1 | 250 |
| 1-story warehouse | 1 | 500 |
| Noah's Ark | 1 | 4,000 |
| 1-st photograph studio | 1 | 250 |
| 1-story rest room | 1 | 700 |
| 4-st concrete garage | 1 | 100,000 |
| 1-st concrete boiler hse | 1 | 400 |
| 1-st tile boiler house | 1 | 400 |
| 1-story brick garage | 1 | 11,500 |
| 1-st brick and concrete fruit packing plant | 1 | 230,000 |
| 2-st brick store and loft building | 1 | 9,900 |
| 1-st transformer house (brick) | 1 | 400 |
| 1-story brick shed | 1 | 900 |
| 1-story brick addition | 1 | 1,500 |
| 1-story steel service station | 1 | 2,000 |

| | | |
|---|---|---|
| Foundation for wrehse | 1 | 5,000 |
| 1-st garages & sheds.. | 67 | 11,977 |
| Tank frames..... | 2 | 700 |
| Electric signs..... | 8 | 1,700 |
| Additions ..... | 31 | 15,711 |
| Alterations & repairs.. | 75 | 66,022 |
| Totals ..... | 272 | $782,648 |

**SUMMARY.**

| | | |
|---|---|---|
| New construction..... | 197 | $756,626 |
| Alterations & repairs.. | 75 | 66,022 |
| Totals ..... | 272 | $782,648 |

## BUILDING CONTRACTS.

### San Joaquin County.

REMODEL
NO. 529 E-MAIN ST., Stockton. Remodel.
Owner—Meads Co., Inc., 34 N Eldorado, Stockton.
Architect—None.
Day's work. COST, $5900

ALTERATIONS
EL DORADO AND NORTH STS., Stockton. Remodel building.
Owner—F. H. Rindge, 711 F. & M. Bank Bldg., Stockton.
Architect—None.
Day's work. COST, $5000

PORCH
FLORA AND SUTTER STS., Sacramento. Build porch.
Owner—R. E. Wilhoit, 201 Wilhoit Bldg., Stockton.
Architect—None.
Day's work. COST, $1800

## COMPLETION NOTICES.

### San Joaquin County.

Recorded Accepted
Dec. 26, 1919—STOCKTON HIGH School Site. Stockton High School District to Alfred Love.Dec. 23, 1919
Dec. 24, 1919—LOT 4, BLK. —, Overshiner Addition to city of Manteca. E. Lupton to H. E. Vickroy.. .....Dec. 15, 1919
Dec. 22, 1919—LOT 4, BLK. 2, MIKESell Addition to Manteca. F. A. Harris to E. L. Anderson.Dec. 18, '19

## BUILDING CONTRACTS.

### Sacramento County.

RESIDENCE
NO. 2815 "Q" ST., Sacramento. Two-story office and residence.
Owner—J. A. McCullough, 1015 23rd St., Sacramento.
Architect—None.
Day's work. COST, $3000

RESIDENCE
NO. 3109 "T" ST., Sacramento. One-story 5-room frame residence and garage.
Owner—L. M. Miller, 2811 "T" St., Sacramento.
Architect—None.
Contractor—R. Powell, 1 The Del Mar, Sacramento.
COST, $4200

## COMPLETION NOTICE. .

### Sacramento County.

Recorded Accepted
Dec. 22, 1919—SEVENTEENTH and "R" streets, Sacramento; spur track (paving). Director General of R. R., S. P. R. R. Co. to Clark & Henery Co. .....Nov. 18, 1919

## BUILDING CONTRACTS.

### Fresno County.

CHURCH
LOTS 1 TO 4, BLK. 30, Fresno. Frame church.
Owner—Fresno Buddist Church, 1340 Kern, Fresno.
Architect—W. C. Hays, First National Bank Bldg., San Francisco.
Contractor—A. D. Collman, 110 Jessie, San Francisco.
COST, $60,000

DWELLING AND GARAGE
LOTS 33, 34, NORTH PARK TERRACE, Fresno. Frame dwelling and garage.
Owner—Hawson Ash.
Architect—None.
Contractor—J. L. Berg & Son, Fresno.
COST, $6000

DWELLING
LOTS 42, 43, BLK 4, BELRIDGE PARK, Fresno. Frame dwellng.
Owner—Cutting & Parker, Fresno.
Architect—None.
Day's work. COST, $3000

DWELLING
LOTS 9 & 10, BLK. 6, MARKLEY-Vincent Tract, Fresno. Frame Dwlg.
Owner—Mrs. E. A. Ballantyne, 639 Park, Fresno.
Architect—None.
Contractor—L. Smith.
COST, $5500

DWELLING AND GARAGE
LOTS 1 & 2, BLK. 35, BELMONT ADD, Fresno. Frame dwelling and garage.
Owner—D. A. Wakefield, 1432 White, Fresno.
Architect—None.
Day's work. COST, $2500

DWELLING AND GARAGE
LOTS 18 & 19, BLK. 1, SUNSET TCT., Fresno. Frame dwelling and garage.
Owner—E. S. Rosenberg, Fresno.
Architect—None.
Day's work. COST, $2000

DWELLINGS
LOTS 4, 5, 6 & 7, BLK. 2, MATTEWAN Add, Fresno. Two frame dwellings.
Owner—Wm. Lambert, 1211 "I," Fresno.
Architect—None.
Day's work. COST, $3700 each

DWELLING
LOT 3, MAPLE PARK, Fresno. Frame dwelling.
Owner—J. F. Bates, 1264 Roosevelt, Fresno.
Architect—None.
Day's work. COST, $3500

DWELLING AND GARAGE
LOTS 5 & 6, BLK.2, SAFFORD TCT., Fresno. Frame dwelling and garage.
Owner—John Bergquist, Valentine, Fresno.
Architect—None.
Day's wrok. COST, $1700

STORE
NO. 455-59 FRESNO AVE., Fresno. Frame store.
Owner—Dow & Cannon, Fresno.
Architect—None.
Day's work. COST, $5000

REPAIRS
NO. 927 "I" ST., Fresno. Repairs.
Owner—W. Parker Lyon, 1136 "I," Fresno.
Architect—None.
Contractor—F. J. Stone, 304 Mason Bldg., Fresno.
COST, $3000

SCHOOL
MARKS SCHOOL DISTRICT, Fresno County. School building.
Owner—Marks School District.
Architect—None.
Contractor—W. J. Ochs, 246 W Cedar, Coalinga.
Filed Dec. 20, '19. Dated Nov. 22, '19.
Rafters ¼ completed ..... ½
Usual 35 days ..... ½
TOTAL COST, $2585

DWELLING
E ½ LOT 11 BLK 15, Hazelwood, Fresno. Frame dwelling and garage.
Owner—C. E. Curtis, 1527 White St., Fresno.
Architect—None.
Contractor—C. P. Cain, 709 Mildreda St., Fresno.
COST, $4000

DWELLING
LOT 19 North Hill Addition, Fresno. Frame dwelling.
Owner—R. D. Randolph, Fresno.
Architect—None.
Contractor—H. M. Dart, 3435 Grant St., Fresno.
COST, $3000

DWELLING & GARAGE
50 FT LOT 4, BLK. 6, HAZELWOOD, Fresno. Frame dwelling and garage.
Owner—O. D. Atkins, 3338 Lowe, Fresno.
Architect—None.
Day's work. COST, $3600

DWELLINGS, ETC.
LOTS 26, 27, 30, 31, BLK. 8, LA SIERRA Tract, Fresno. Two frame dwellings and garages.
Owner—C. C. L & Improvement, Fresno.
Architect—None.
Contractor—R. C. Blackwell, 202 Trust Co., Bldg., Fresno.
COST, $5000 each

DWELLING
LOT 16, BLK. 4, HAZELWOOD, Fresno. Frame dwelling.
Owner—Drenth & Drenth, White's Bridge Road near West, Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S 4th, Fresno.
COST, $4500

DWELLING & GARAGE
LOTS 7, 8, BLK. 7, NORTH PARK, Fresno. Frame dwelling and garage.
Owner—J. S. Canham, 1355 Wishon, Fresno.
Architect—None.
Contractor—G. H. Stivers, 1600 Poplar, Fresno.
COST, $14,000

DWELLING
LOTS 19 AND 20 BLK 1, Allen and Benford Tract, Fresno Frame dwelling and garage.
Owner—O. V. Cobb, 1836 Kern St., Fresno.
Architect—None.
Contractor—H. Dickey, 150 Howard St., Fresno.
COST, $4000

FRAME DWELLING
LOTS 1 AND 2 Blk 2, Woodlawn. Frame dwelling.
Owner—Mrs. Robt. Hall, 410 G, McK, Fresno.
Architect—None.
Day's work. COST, $2000

## FRESNO BUILDING TOTALS.

The following is a report of the building operations of the City of Fresno for the month of December, 1919:

No. permits, 136; new buildings, $501,505; total for year, $3,705,125.

No. permits, 44; alterations and reparis, $68,160; total for year, $426,159.

## BUILDING CONTRACTS.

### Santa Clara County.

COTTAGE
NO. 68 S-FIFTEENTH ST., San Jose. Six-room cottage.
Owner—F. O. Nelson, 34 S-15th St., San Jose.
Contractor—F. C. Nelson, 34 S-15th St., San Jose.
Contractor—F. C. Nelson.
COST, $5000

COTTAGES
PALM HAVEN, San Jose. Six five-room cottages.
Owner—Palm Haven Investment Co.
Engineer—Wallace & Bush, Bank of San Jose Bldg., San Jose.
Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.
COSH, $17,780

## PAN-AMERICAN CONGHESS OF ARCHITECTS.

Demonstrations of American architectural advancement and the promotion of professional solidarity are the chief purposes of the first Pan-American Congress of Architects to be held at Montevideo on March 1, 1920. Architects of all the Americas have been invited to attend and to exhibit their work. Both practicing and student architects are eligible as exhibitors, and prizes will be awarded to architects, schools or faculties and in-

dividual students in accordance with decisions rendered by an international jury composed of professors of architecture.

Five classifications of the work of architects for exhibition are proposed, namely: Projects of public buildings and monuments; projects of private buildings and monuments; projects of decoration; details and motives of architecture and works upon the history of architecture in America. Grand prizes of honor with gold medal will be awarded for the best projects in the first three categories and gold medals, first mention with silver medals, second mention with silver medals and merit d plomas for everyone of the five categories. All exhibits must deal with buildings or monuments already constructed or to be carried out in be carried out in America.

The projects mentioned in the first two classifications may be presented with their plans, elevations and sections and may or may not correspond to completed buildings. Photographs of the exteriors and interiors of finished buildings may be presented to complete the exhibitor's idea. Details and perspectives will be admitted.

No doubt the best work of architects in the U. S. will have a place in the exhibits and it is essential that the best be shown if any of the honors are to come to this country. South America has developed splendid architecture, especially in the monumental class, and many buildings which any section of the U. S. would feel proud to claim, are to be found in the states below the isthmus. At any rate northern architects are not likely to run away with all the honors. They will have plenty of real competition.

## ELECTRICAL EXPERTS ARE PERPLEXED OVER YOUTH'S DISCOVERY.

SEATTLE, Wash. — Nearly every electrical expert in Seattle today plans to examine a machine invented by Alfred Hubbard, 19 year old boy, which the inventor claims, generates electrical power from the air and can be operated indefinitely without the application of other sources of energy. Several electricians have witnessed demonstrations and, although they cannot explain the principle upon which it works, they are certain it is not a fraud or hoax.

Rev Father William E. Smith, professor of physics at Seattle College, who examined the machine, declared he thought it a practical working device to take the place of all existing power generators.

"I unhesitatingly said that Hubbard's invention within a few years will have advanced the whole theory and practice of electricity beyond the dreams of present-day scientists," Father Smith declared. "The boy has stumbled onto a principle of electricity never believed to exist."

## CONCRETE STREET CARS PREDICTED BY BRITON.

PASADENA, Calif.—Before we are much older concrete railroad cars, concrete ships and other utilities made of concrete are going to become as commonplace as concrete buildings.

This was the prediction of James Livingston of Glasgow, Scotland, who built the first concrete ships for Great Britain during the war. Livingston and his family was winter visitors in Pasadena.

"Development of the possibilities is in its infancy," he said. "Reinforced concrete railroad cars are not a success. Refinement and improvements may be expected, however, which will permit of construction with lighter weight.

"But development of the use of concrete is inevitable owing to the growing shortage of the world's available timber. Moreover, concrete is fireproof whereas steel twists and breaks under intense heat."

The Livingstons like Southern California so well they have decided to it make their home.

## THE BIG PROBLEM NOW CONFRONTING THE INDUSTRY.

The greatest problem now confronting the construction industry are securing materials and labor. Transportation is a big factor in the material supply question. Government control of the railroads failed to satisfy shippers. Many believe that under private control the transportation facilities of the railroads will be greatly improved. Whether this belief is justified may be a matter of personal opinion but at any rate a big task is laid out for the railroads during the coming year to move the immense quantities of materials that will be needed for building, for highway work and general engineering construction.

Labor is generally occupied. The period of unemployment following the war which was anticipated when hostilities ceased was very short, if indeed, it could have been considered to exist. Construction operations absorbed more labor than was believed possible. Complaints of shortage of labor may have been sectional or local but they have been very general. There has been a grat scarcity of skilled mechanics in the building trades, and skilled workmen are now receiving the highest wages ever paid in this country.

What is most to be desired in the construction industry during the coming year is stabilization of prices and wages. **An engineer was recently quoted as saying the country is "building mad." This may not be the exact truth but it was apparently his way of describing a condition in construction operations that has alarmed investors and financiers.** Construction operations must be prosecuted on a rational basis. Contractors cannot bid against each other for either labor or matreials without sowing a whirlwind. Materials and labor both have a certain value and we trust that the great volume of construction work ahead will be accomplished with a due regard to economic laws. A continuation of the present great prosperity of the construction industry cannot be assured on any other basis.—Southwest Builder and Contractor.

## "BUCK UP FOR 1920."

"Buck Up For 1920" is the New Year slogan of the San Francisco Chamber of Commerce, as contained in this week's "Activities," the house organ of the Chamber.

"We are facing a long, dry year with nothing to do but work," says President Atholl McBean in his recent front page New Year greeting to the members of the Chamber.

"Remember that this is your Chamber of Commerce, and that you want it to be a mighty force for good in the community.

"Stand behind your officers in their efforts to make the Chamber a forceful factor in all worthy civic endeavors.

"And don't forget, when you are asked to give of your time, your energy or your money for the public good, that your own business cannot grow and prosper unless San Francisco grows and prospers."

Interesting features contained in the current number of "Activities" include:

"Our Growing Merchant Marine," Senator Wesley Jones of Washington; "Collective Bargaining in the Clothing Industry," C. A. Day; "Registering Trade Marks in China"; "Cummins and Esch Bills Compared"; "The Annual Fall in China Exchange and Its Result"; "The Smash in China Exchange"; "First International Trade Conference at Paris."

## SACRAMENTO BUILDERS FACE NAIL SHORTAGE.

### Builders' Hardware, Floor and Wall Tile Is Hard to Get in the Capital City.

In its issue of December 31st, the Sacramento Union publishes the following:

"Contractors and builders in Sacramento are expecting that because of a shortage in nails, building will be seriously hampered and in many cases may have to cease altogether in the very near future. The situation is becoming serious. It affects the whole country, according to the dealers.

"Unless nails are forthcoming in a short time a whole lot of work may have to cease," said one contractor yesterday. "Local dealers are selling only in driblets, and it is impossible to buy a whole keg of nails. The greatest shortage is in shingle and lath nails. Dealers say they are unable to get their orders filled. How much stock they have on hand they will not say."

"Another contractor said the builders who have on hand only a small supply of nails may find it impossible to get nails in the course of another month or so. Builders who have a supply on hand are fortunate. The shortage is attributed by the builders to the strike of steel workers, to the big demand now being made for nails and other building materials, and to the fact that the steel plants since the war have been far behind with their orders and are unable to meet the demands.

"Not only is there a shortage in nails, but in other materials as well. 'About all you find in the stores now are samples,' said a contractor.

"Another contractor said he finds it almost impossible to secure floor and wall tile. 'We might possibly get a car through to you in four months,' is Builders' hardware is hard to get, the encouraging word he received from a manufacturing concern.

"A local contractor placed an order for tile in San Francisco recently with

a wholesale house. When he inquired later why the material had not been delivered as promised he met with the reply that the manufacturing firm had sold it over the firm's head, and he was compelled to make delivery to another party.

Local contractors have men on the lookout all over the state in an effort to locate nails and other material. That builders in other cities are doing likewise is evidenced in the calls made upon local contractors to know if they have this and that material which they can part with.

The state purchasing agent has found it impossible to secure the nails which the state needs."

### BIDS WANTED FOR PIPE.

LOS ANGELES, Los Angeles Co., Cal.—Until 3 P. M., Jan. 9, bids will be received by the Board of Public Service, Knickerbocker Bldg., for 10,000 ft. 6-in. riveted sheet steel pipe or pipe of equal strength and carrying capacity in accordance with specifications No. 481. Jas. P. Vroman, Secretary.

### INCOME-TAX FACTS YOU SHOULD KNOW.

**No. 1.**

Were you one of thousands of persons who last year, with unquestioned honesty of purpose, filed an incorrect income tax return? Are you, or have you been a claimant for refund of taxes overpaid? Have you been called upon by the Bureau of Internal Revenue for the payments of amounts owed the Government through inadvertence or omissions in making out your income tax form? To sum it up have you experienced trouble of any kind in filing your income tax return for 1918?

If so, this is written for your benefit and for the benefit of more than 3,000,000 taxpayers who, on or before March 15, will file income tax returns for the year 1919. It is certain a percentage of these returns will be incorrect. It is equally certain that the percentage of errors may be largely reduced if taxpayers will acquaint themselves with the income tax provisions of the act of February 24, 1919, known as the revenue act of 1918, which provides for the collection of taxes for the year 1919 and subsequent years.

**Bureau Aids Taxpayers.**

As an aid to taxpayers there has been prepared with the official approval of the Buraeu of Internal Revenue, a series of short articles, of which this is the first, telling how to make out an income tax return for 1919, when and where to file it, and what to do in case you meet with unusual difficulties. By making note of the information contained therein, it is believed that most of the difficulties heretofore encountered may be avoided.

**Change in the Normal Rate.**

Probably the most important change affecting the average taxpayer is in the normal rate, the exemptions of $1,000 for single persons and $2,000 for married persons and heads of families remaining the same as for 1918. The normal rate for 1919 is 4 per cent on the first $4,000 of net income above the exemptions and 8 per cent on the remaining net income. The normal rate for 1918 was 6 and 12 per cent, respectively. This applies to every citizen and resident of the United States. Alien nonresidents receiving income from sources within the United States are taxed to the full 8 per cent on the income from such sources.

The surtax rates, which range from 1 per cent on the amount of net income between $5,000 and $6,000 to 65 per cent on the amount of income in excess of $1,000,000, remain unchanged.

**May Pay in Installments.**

The tax, as in 1919, may be paid in full at the time of filing the return, or in four installments, the first of which is due on or before March 15, the second on or before June 15, the third on or before September 15, and the fourth on or before December 15. The first installment must accompany the filing of the return. The period for filing is from January 1 to March 15. Heavy penalties are provided for persons who fail or "willfully refuse" to file their return and pay the tax within the time prescribed.

Forms for making returns may be obtained from offices of collectors of internal revenue and deputy collectors, post offices, and banks. If your income for 1919 was $5,000 or less, ask for Form 1040 A. If it was more than $5,000 ask for Form 1040. Returns must be filed with the collector of internal revenue for the district in which the taxpayer lives or has his principal place of business.

### PETALUMA ROCK COMPANY SELLS PROPERTY.

The Petaluma Rock Company has sold all interest in its personal property in the Cronin rock quarries, near Petaluma, to the E. B. and A. L. Stone Company. The latter company is one of the largest in its line in this state, and maintains quarries at various places. The rock secured by the company in the Petaluma district is of excellent quality for street work and for building materials.—Santa Rosa Republican.


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### SAN FRANCISCO ARCHITECT URGES VALLEJO SCHOOL IMPROVEMENTS.

VALLEJO, Solano Co., Cal.—At a recent session of the Vallejo Board of Education, Architect W. H. Weeks, 75 Post street, San Francisco, presented sketches for both an intermediate or high school building to relieve the congestion in the Vallejo schools.

Architect Weeks stated that building suitable for elementary schools of the usual type would cost per class room in frame construction, $5750; brick veneer, $6250; brick or concrete, $7000.

No action was taken.


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JENISERO-KOA-SPANISH CEDAR
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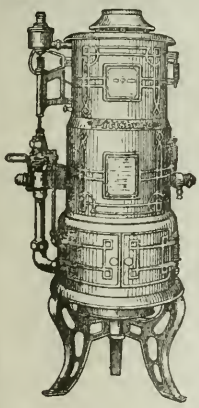

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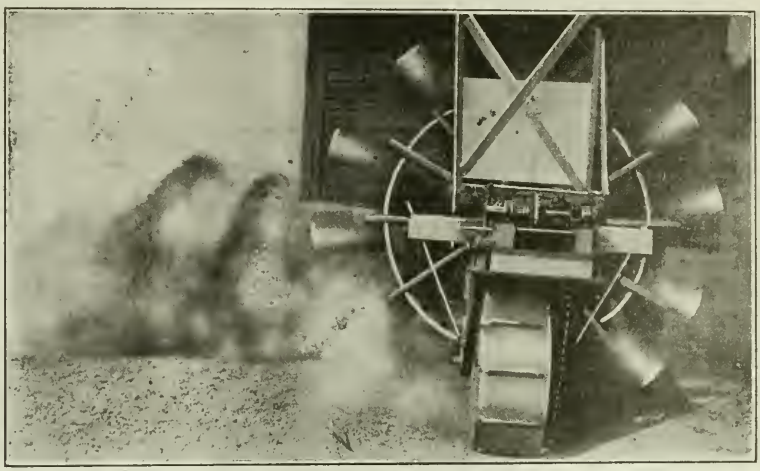
San Francisco



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IRRIGATION DITCHES.—Machine will cut an irrigation ditch to a true hydraulic form and by the simple application of a striking board is enabled to deposit the excavated material on the bank at the edge of the cut or leave as much of a berm as is desired. Wide ditches as well as narrow ones can be cut economically with this machine.

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ROAD CONSTRUCTION.—Machine can be used by the Road Contractor in many different instances, as its ability to kick a lot of dirt out of the way in a short time will make it invaluable where cuts must de disposed of over the road side whether this be up or down; it should prove a great money saver on road drainage ditches.

OPERATING COSTS.—Machine uses Gas or Kerosene for fuel and requires about 2½ gallons per hour. Cost of Lubricating Oils is about half of the fuel cost. Three men can operate the machine, one must be a gas engine man and the others laborers, and Machine can be operated as well at night as in daylight.

In moving from place to place this machine travels on its own power, being a tractor in itself and moving from one to two miles per hour over ordinary roads, and will cross any bridge that will stand the weight of an ordinary truck.

When necessary to load on cars it will do so on its own power.

One of the strong features of this ditcher is its light weight compared to other machines designed to do the same class of work done by this one. The weight ranges from two to four tons according to size.

This ditcher is also adapted to clean ditches that have become fouled with vegetation or filled in with mud and sand.

**For Full Particulars Address**

# Volute Ditching Machine Co.

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**SAN FRANCISCO, CAL.**

Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

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L. A. LARSEN,
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Building & Engineering News

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SAN FRANCISCO OFFICE
560 Mission Street.
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## County Road Improvements in California.

**Imperial County Good Roads Bond Issue.**

Year of issue—
Amount of issue—
Length of Issue—
Miles of Roads improved—
Miles of oiled concrete roads—
Miles of asphalt on concrete base—
Miles of Topeka on concrete base—
Miles of bitulithic on concrete base—
Miles of Topeka on bituminous base
Miles of bitulithic on bituminous base—
Miles of oil macadam—
Miles of water bound macadam—
Bridges built on part of bond issue—
Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—

Brawley, Cal.
Sept. 27, 1919.

Imperial County but recently voted $1,500,000 for paved roads. Surveys will start for the laying out of these roads shortly after the 1st of October. At a recent meeting of the Associated Chambers of this county, a request was made upon the Highway Commission to go before the Board of Supervsiors and ask them to call an election to vote upon an additional $1,500,000. The total of proposed work calls for about 140 miles of paved highway.

G. R. WADE,
Engineer Imperial County Highway Commission.

**Contra Costa County Good Roads Bond Issue.**

Year of issue—June 22, 1919.
Amount of issue—$2,600,000.
Length of issue—26 years.
Miles of roads improved—106 miles.
Concrete roads—73.
Miles of asphalt on concrete base—Secondary roads of type to be decided.
Miles of Topeka on concrete base—33 miles.
Miles of bitulithic on concrete base—
Miles of Topeka on bituminous base
Miles of bitulithic on bituminous base—
Miles of oil macadam—
Miles of water bound macadam—
Bridges built on part of bond issue—8.
Any further information that will give the public the correct idea of the scope, magnitude and importance of the work done—Concrete pavements will be 18 feet wide and 5 inches thick, reinforced.

R. P. SMALL,
County Surveyor.

Engineering Editorial Dept.,
Building and Engineering News.
Dear Sir:

In reply to your request for information pertaining to good roads work which has been done in Napa County since the good roads movement started some ten years ago.

In May of this year Napa County voted a bond issue of $500,000.00 with which it is expected to build a concrete highway between Napa and Calistoga. The plans for this work are now being prepared, and the work of grading the section between St. Helena and Calistoga will be begun about November 15th. A roadway thirty (30) feet in width with a paved section five (5) inches thick and eighteen (18) feet in width is to be constructed.

Napa County now has a concrete highway five (5) miles in length from the Napa-Solano County line northerly to Greenwood Hill, connecting there with the State Highway which is built from Greenwood Hill to the Napa city limits. From the Napa city limits southwesterly on the road to Sonoma the county has, in conjunction with the California Highway Commission, constructed a concrete highway three miles in length to connect with the State Highway already built from Stanley Lane to the Napa-Sonoma County line. Both pieces of work above described were done with moneys from the general county road fund.

As the culverts and bridges now in place become unfit for use or unsafe for the increasing loads which must be accommodated they are replaced with concrete structures and about ten (10) new concrete bridges have been so built in the last few years. There are at present three (3) new concrete bridges under construction which are being built with money from the county bridge fund.

No further work of a permanent nature has been done, but a program of grading and surfacing with crushed rock or gravel about forty (40) miles of road is now being formulated.

Hoping that the above information will be of use to you in your work, and assuring you of our future cooperation, I am,

Yours very truly,

HAL. J. SAMS,
County Engineer.

**NEWS FROM NATIONAL HEADQUARTERS.**

**The Fortnightly Engineering Service Review.**

A veritable stampede of buying engineering services characterized the year 1919 as viewed by the Service Department of the American Association of Engineers. Employers are starting this year under pressure of unprecedented demand for technical men to increase production. The acute shortage of specialists in engineering looms larger in American industries just now than does the fate of the peace treaty. Information is received from many sources of professional engineers attaining the distinction of leadership, which they won under difficuties of production, transportation and labor, some of which at the time of their development seemed insurmountable.

Manufacturing has not attained the volume that would have been possible but for labor and fuel handicaps, but the total of production has been large and the demand for engineers is increasing steadily. The technical man has never been on a higher plane of esteem or on a more satisfactory basis than at the present, and this is resulting in higher professional remuneration.

The anxiety over the question of employment for the large number of engineers returning from military and naval service has disappeared. Conditions have taken care of them promptly and comfortably and without overcrowding the market except for field engineers and superintendents of construction.

The present demand is for engineering draftsmen, especially designers with experinece in mechanical, structural and concrete work. Location is mostly in the Central States, particularly Ohio, Minnesota and Michigan. There is a fair demand for civil engineers, experienced in the problems of public utilities, to enter the field of city management. The demand for instrument men is about equal to the supply at present, but the outloook is that many needed surveys will be unfinished this year, especially in highways and municipalities where officials are waiting for the work to open before engaging engineers and are not providing for adequate salaries. Investigations have shown that from ten to thirty per cent higher salaries are paid by employers located outside of the large cities such as Chicago, New York and Philadelphia. The engineer who accepts a position in a smaller

city has not only the advantage of a higher salary but generally enjoys lower living conditions. Every engineer seeking a new position should give this his special consideration.

The Service Department has now been expanded to a staff of six. The department is referring about 1500 members to positions each month, and is filling about 150 positions each month. A further increase in employment service is contemplated for the near future.

The club rooms of the Chicago Chapter of A. A. E. have been made available for the use of employers who come to Chicago to interview applicants for positions.

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The recommendations for salaries for state highway engineers, prepared by the committee of the American Association of Engineers on Salaries of Engineers in Public Service, which were endorsed by the A. A. S. H. O. convention in December and by the meeting of the American Road Builders' Association, have been formally approved by the Executive Committee of the American Association of Engineers. Active steps to have this schedule placed in effect will be inaugurated early in 1920.

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Chapter charters have been granted by the American Association of Engineers at St. Joseph, Missouri; Charleston, West Virginai; Oregon State College, and club certificates at Poplar Bluffs, Missouri, and Peoria, Illinois.

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The Twin City Chapter of the American Association of Engineers has been elected a member of the Minnesota Joint Engineering Board, and has appointed for its representative for the first year Professor Frederick Bass of the University of Minnesota. Professor Bass is chairman of the National Committee on Engineering Education and a consulting and advisory editor of the "Professional Engineer."

**Federnl Department Bulletin No. 1.**
December 22, 1919.

On March 12, 1919, Congress passed an act appointing a commission to be known as the Joint Congressional Commission on the Reclassification of Salaries (in the District of Columbia). This is the so-called Keating Commission, which it will hereafter be refered to as the "Commission."

The following three Senators, who are now members of the U. S. Senate, were appointed to this Commission: A. A. Jones, Democrat, East Las Vegas, N. Mex.; C. B. Henderson, Democrat, of Elko Neb.; S. P. Spencer, Republican, of St. Louis, Mo., and the following former Representatives who were members of the 65th Congress and not of the present 66th Congress: C. H. Hamlin, of Missouri; H. A. Cooper of Wisconsin, and Edward Keating of Colorado. The three last named gentlemen are continuously engaged on the Commission work while the three Senators have been dividing their time between the Commission and the sessions of Congress.

The Commission established quarters in Washington, employed Arthur Young & Company as statisticians and tabulators, and had the various government bureaus transfer experts from the bureaus to the Commission, so that the Commission now has a staff of about one hundred people. The Commission was somewhat slow in getting under way and there were some changes in in the staff originally appointed. The Commission is now trying to make up for lost time and announces that it will have its report ready for Congress as required on the 12th of next January. The Commission recently asked Congress for an extension of time to March 12, but while this joint resolution was passed by the House, it was not acted upon by the Senate. Possibly the Senate will pass it when it re-convenes after January 5, and, if so, the Commission will use the extra time in getting the report in better shape.

While this Commission is classifying and recommending salaries for Federal employees in the District of Columbia only, the report will undoubtedly be used by officials of the various departments and bureaus in making recommendations and readjustment of salaries for Federal employees outside of Washington. Many of the Government bureaus and the Navy Department, especially, have unofficially announced that no recommendations will be made until after this Commission's report is received. While we do not know as yet just what the Commission will recommend, the report will undoubtedly propose a very great improvement over present conditions, and for this reason the American Association of Engineers through its members should lend every possible effort towards securing favorable action on the report by Congress.

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The results of the membership drive held during December by the American Association of Engineers have been finally tabulated. Buffalo Chapter won first prize for clubs having of more than 100 with an increase of 314.4%. For the chapter or club having less than 100 members at the close of the drive the Ogden (Utah) Club won first place with an increase of 209.90%. The prize won by the Buffalo Chapter is a silk banner specially designed and indicating that Buffalo is the banner chapter of the Association for 1919. A special gavel for chapter use was awarded to the Ogden Club. The three members of the Association obtaining the highest number of individual subscriptions were P. P. Obee, an engineer of Toledo, Ohio; J. W. Shera of Chicago; and Professor Samuel M. P. Dolan of the Oregon State College, who turned in respectively 131, 100 and 66 applications for membership. The prizes awarded these three gentlemen are a life membership in the Association, a $100 set of books, and a $50 watch.

The captain of the membership team bringing in the greatest number of members on the Buffalo Chapter was F. A. Eschrich of Buffalo. T. M. Burlingame was drive commander for the Buffalo Chapter and W. F. Turner acted in a similar capacity for the Ogden Club.

The chapters who stood after the Buffalo Chapter were Lincoln, Nebraska, with 310%; the University of Nebraska with 301.9%, and the Toledo Chapter with 194%. The largest number of applicants obtained during the drive was 474 obtained by the Chicago Chapter. Of this number 100 were obtained by one man. The second largest chapter in point of number of applications was the Oregon Chapter with 353. The number of applications obtained by the Buffalo Chapter was 242. It is intereesting to note that the Lincoln Chapter and the University of Nebraska Chapter are located in the same city and that had they been consolidated, the chapter would have won first place.

The captain of the team in each chapter and club which obtained the most applications will receive a solid gold watch fob.

The membership of the American Association of Engineers at the close of business on December 31st was in excess of 10,400, and the determination of the Association to obtain 10,000 members before 1920 has been achieved with a large margin to spare. There were almost 7,000 applications for membership received during the month of December.

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## FRESNO CHAPTER.

**Minutes of Meeting of December 20, 1919.**

President Chamberlin called the meeting to order, there being about forty engineers present, and introduced Mr. A. G. Wishon, general manager of the San Joaquin Light & Power Co., who gave a very interesting address and later answered questions regarding the past, present, and future of hydro-electric development in Central California.

Mr. Ray Dunlap, Pacific Coast Secretary of the A. A. E., spoke of the growth of the Association and of conditions among engineers along the Coast.

Mr. Chas. H. Lee president of the California State Water Board, who was present was asked for a few words and supplemented some of Mr. Wishon's statements dealing with irrigation.

The minutes of November 15th were read and approved.

Moved, seconded and carried that a meeting be held on January 3rd for business purposes only.

Moved, seconded and carried that a committee of three be appointed who would immediately draw up a resolution for adoption by this body regarding the city manager form of government for Fresno city, and who should do what might be necessary in boosting a managerial form of city government.

Messrs. Kaupke, Chelgren and Rantsma were appointed, and later presented the following resolution, which was adopted:

"Resolved, That the Fresno Chapter of the American Association of Engineers favors the election of freeholders to submit a new charter for the city of Fresno.

"Resolved further, That they place themselves on record as favoring the commission manager form of government."

Moved, seconded and carried that a rising vote of thanks be extended to Mr. Wishon.

Meeting then adjourned.

JEAN L. VINCENZ.

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## ENGINEERS' SOCIETY NOT SATISFIED WITH SELECTION OF BEAUMAN TO POSITION.

A resolution petitioning the Board of Supervisors to reconsider their appointment of Loui Beauman to the of-

fice of assistant engineer in charge of highway maintenance in San Joaquin County waa adopted at the meeting of the San Joaquin Society of Civil Engineers Wednesday evening. The resolution reads:

Stockton, Jan. 8, 1920.

"At the regular quarterly meeting of the San Joaquin Society of Civil Engineers held in the office of Ohm & Raab, civil engineers, Yosemite Building, Stockton, Cal., last evening, the following resolution was unanimously adopted:

"Whereas, A civil engineer has recently been appointed by the Board of Supervisors as engineer of road maintenance of San Joaquin County; and

"Whereas, In making said appointment the said Board of Supervisors displaced the choice of the County Surveyor for said position, which choice had been made under authority granted the said County Surveyor by resolution duly passed by said Board; and

"Whereas, The appointee and choice of the said County Surveyor, in training, education, experience and long and efficient service to San Joaquin County, was and is eminently fitted, qualified and entitled to fill the said position; and

"Whereas, The appointee of the said Board of Supervisors while, presumably, a man well qualified for the position (of this we have no definite knowledge as yet), he is practically unknown to the engineering profession or laymen of this county, either personally or profesionally; now, therefore,

"Be it resolved, By the San Joaquin County Society of Civil Engineers, that the action of the Board of Supervisors of San Joaquin County in this matter is deplored as an act against the best public policy and against the harmonious, economical and efficient operation of a department of our government; and that, while the members of this society, several of whom are ex-service men, are glad to do honor to an ex-soldier and stand willing to render the new appointee any assistance they may be able to give, yet they feel that in this case an injustice has been done a deserving engineer and citizen of this community and, if not too late, respectfully petition the said Board of Supervisors to reconsider its action in this matter; and

"Be it resolved, That a copy of this resolution be sent to the said Board of Supervisors and the press of the city of Stockton.

"SAN JOAQUIN COUNTY SOCIETY OF CIVIL ENGINEERS.

"By H. T. Compton, President; D. F. Barzelotti, Vice-President; Henry B. Budd, Secretary-Treasurer.

"Dated Stockton, Jan. 7, 1920."

### SACARMÉNTO CHAPTER ELECTS OFFICERS.

Sacramento Chapter, American Association of Engineers, has eleeted officers for the ensuing term as follows: T. E. Stanton, President; F. L. Milne, First Vice-President; A. J. Wagner, Second Vice-President; George L. Baxter, Third Vice-President; H. A. Lathrop, Secretary-Treasurer.

The membership drive recently launched by the chapter, according to report of members of the committee, brought in thirty-eight new members during the past month, bringing the strength of the organization up to 139. The drive is to be continued.

### UNITED STATES CIVIL SERVICE EXAMINATION.

Telephone and Telegraph Engineer, $4,000. Naval Communication Service.

**January 20, 1920.**

Topographic and Subsurfaee Draftsman.

**January 27, 1920.**

Chief of Road Survey Party, $1,800-$2,100. Transitman for Road Surveys, $1,200-$1,800. Highway Draftsman, $1,200-$1,800.

**February 10, 1920.**

Applicants should apply at once for Form 1312, stating the title of the examination desired to the Civil Service Commission, Washington, D. C., or Post Office, San Francisco.

### SLATE.

The use of slate for roofing is apparently on the decline, although a part of the falling off in production in recent years is due to war-time curtailment of building, according to a report recently issued by the United States Geological Survey, Department of the Interior. The major part of the slate produeed in this country, is contrary to the general impression, used on the inside rather than the outside of buildings, for such purposes as making stationary washtubs, electric switchboards, and blackboards, and the output for these purposes has been fairly constant for the last ten years. The report may be obtained on application to the Director of the United States Geological Survey, Washington, D. C.

### PROPOSED TRADE CONFERENCE IN MEXICO CITY.

The American Chamber of Commerce of Mexico City has issued under date of November 6, 1919, a circular announcing to all manufacturers, bankers, exporters, importers, and merchants interested in trade between the United States and Mexico that there will be held in Mexico City on the three days beginning Wednesday, February 11, 1920, a trade eonference to discuss practical matters arising from the commerce between the United States and Mexico. Firms in the United States may write to the Secretary of the Chamber for further details, addressing the American Chamber of Commerce of Mexico, Apartado 82 Bis, Mexico City.

### U. S. WAR MATERIAL BRINGS $700,000,000.

NEW YORK, N. Y.—A total of $700,000,000 was realized by sale of America's war material in England, France Belgium and Germany, Edward B. Parker of Houston, Texas, chairman of the United States Liquidation Commission, stated on his arrival from Europe. He said the commission also cleaned up elaims due and against the United States for as much more. Its report will be ready in a few days.

Parker asserted that while it had taken the commission only 10 months to dispose of all this country's war stocks abroad, other allied countries had not yet been able to make an inventory.

He asserted the articles were sold for more than 50 per cent of what they cost.

### THE AMERICAN-BRITISH-CHINESE CLUB INAUGURATED IN SHANGHAI, CHINA.

The Union Club of China, the membership of which is composed of Americans, British and Chinese, was recently inaugurated in Shanghai, China, for the purpose of providing a common meeting ground for the business men and officials of the three nationals. The need for such a club is due to the fact that the foreign clubs of Shanghai do not admit Chinese to membership. While designed to be purely social, the practical effect of the club will be to foster trade through closer acquaintance and better understanding.

### MODERN PIERS FOR NEW YORK.

NEW YORK, N. Y.—New York City is planning erection of fourteen piers of the skyscraper type in Jamaica Bay, Murray Hulbert, Commissioner of Docks, announces. The new piers are expected to outrival those of Hamburg, Copenhagen and other European ports.

The proposed docks will be about 2,000 feet long and at least five stories high, the Commissioner said. They will be equipped with elevators and electric cranes for lifting cargoes. Their estimated cost will be between $3,000,000 to $4,000,000 each.

The Commissioner said that the piers would be self-sustaining and give the city a fair return on the investment.

### ONE THOUSAND TONGUES ARE TO BE STUDIED.

LONDON.—The University of London is planning to build an institution of phonetics at a cost of $600,000 where seventy assistants would be engaged in research work on the 1000 languages of the British Empire. The scheme, which originated with Daniel Jones, head of the phonetic department of the university, calls for the expenditure of $2,500,000.

### CONTRA COSTA VALUES.

MARTINEZ. — California's assessed property has increased $605,720,816 in valuation, or more than 27 per cent, between the years 1914 and 1919, it is disclosed in figures made by the California Tax Payers' Association from reports of the State Controller on county assessed valuations and inside general taxes. A comparison of the general county tax produced in fifty-eight counties, as between 1914, 1915 and 1918-1920, shows an increase of $18,583,894.97, or 73.58 per cent, the association sets forth. The increase this year over last year is shown to be $9,683,744, or 28.35 per cent. The assessed valuation in Contra Costa County increased from $45,808,455 in 1914-1915 to $62,692,070 in 1919-1920, it is shown by the report. During the five years mentioned the tax returns increased $516,063.73, or 98.88 per cent.

# American Association of Engineers

The Technical Engineers' Service Organization.

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Alexander Potter, Civil Eng., Nsw York City.
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## NATIONAL HEADQUARTERS

63 East Adams St. Chicago, Ill.

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Ethics and Compensation ..... E. E. CARPENTER
Public Affairs ..... R. Sachse
Relations with Other Organizations ..... R. M. BEANFIELD

**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

**Chapter Office** 700 Marston Building 244 Kearny St., San Francisco

## CHAPTERS & CLUBS:

**SACRAMENTO CHAPTER**
Lathrop, H. A. ..... Secretary
1321 Thirty-third St.,
Sacramento - - California

**LOS ANGELES CHAPTER**
Harris, A. L. ..... Secretary
1104 Central Building
Los Angeles - - California

**PORTLAND CHAPTER**
Barnes, R. W. ..... Sec. & Treas.
36 Union Station
Portland - - - Oregon

**FRESNO CHAPTER**
Jean L. Vincenz ..... Secretary
P. O. Box 922
Fresno - - - California

**SAN DIEGO CHAPTER**
Grumm, Fred ..... Secretary
2898 Spruce Street
San Diego - - California

**SAN BERNARDINO CLUB**
Woods, M. A. ..... Secretary
608 Tenth Street
San Bernardino - California

**EUREKA CLUB**
Howard, F. W. ..... Secretary
Eureka - - - California

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES.

Plans Being Prepared.
APARTMENTS Cost, $——
LOS ANGELES, Cal. W Alvarado St. S of Ninth St.
Four-story Class "C" brick apartment house, 75x40 (130 rooms; 2 and 3-room apts.)
Owner—Harry T. Reid et al, 405 Story Bldg., Los Angeles.
Architects—Larralde & Barber, 1123 Story Bldg., Los Angeles.
The work will be done by the day and sub-contract.

---

Plans Being Figured.
APARTMENTS Cost, $20,000
SAN FRANCISCO. Golden Gate Avenue near Fillmore Street.
Three-story frame store and apartments.
Owner—Withheld.
Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.

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Plans Prepared. To be Done by Days Work.
APARTMENTS, ETC. Cost, $25,000
SAN FRANCISCO. Twenty-third Ave. and Anza Street.
Two-story frame apartment house; 4 apts. of 4-rooms each and a two-story frame (2) flats.
Owner—Hilding Anderson, 1858 Fell St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

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Plans Being Prepared. Excavation Started.
APARTMENTS Cost, $250,000
FRESNO, Fresno Co., Cal. Broadway and Santa Clara Streets.
Three-story fireproof store and apartment house, 120x140 (200 rooms divided into one and two-room apts.)
Owner—J. E. Azhderian, Fresno.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Prickard Bros., 623 Ferger St., Fresno.

### BANKS

Preliminary Plans Being Prepared.
BANK & STORES Cost, $50,000
CAMPBELL, Santa Clara Co., Cal.
One-story reinforced concrete bank and stores.
Owner—Growers' National Bank, Campbell, Cal.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
The present Board of Directors includes W. C. Bohnett, B. O. Curry, E. K. Clendening, Ernest Barry, J. E Weisendanger, L. Woodard, Frank Nelson, Ralph Hyde and J. Turner.

### BONDS

CUPERTINO, Santa Clara Co., Cal.—The $75,000 bond issue of the Cupertino Union High School District has been sold. The proceeds of the sale will finance construction of a new school building, plans for which are being prepared by Architect Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

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DINUBA, Tulare Co., Cal.—Feburary 9th is the date set by the Trustees of the Dinuba Union High School District to decide the question of issuing and selling bonds of $120,000 with which to finance construction of a new manual training, gymnasuim and additional class rooms to the present structure.

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CASTELLA, Shasta Co., Cal.—Bonds of $3,500 have been voted in the Castella School District. Preceeds of the sale of the bonds will finance construction of a new school building.

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FRESNO, Fresno Co., Cal.—The Supervisors have rejected bids received for the purchase of the $15,000 bond issue of the Claremont Grammar School District and have decided to purchase the bonds from the county treasury.

Proceeds of the sale will finance construction of an addition to the present school building. D. M. Barnwell is Fresno County Clerk.

Ernest J. Kump, Rowell Bldg., Fresno, is the architect.

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TEMPLETON, San Luis Obispo Co., Cal.—The County Supervisors have sold the $19,000 bond issue of the Templeton School District and construction on additional buildings, financed from the proceeds of the sale will be started shortly.

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FRESNO, Fresno Co., Cal.—The Supervisors, D. M. Barnwell, County Clerk, have sold the $115,000 bond issue of the Selma Grammar School District. Proceeds of the sale will finance construction of a new school building.

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SACRAMENTO, Cal.—The $3,064,000 bond issue of the Sacramento City School District will be sold by the Board of Education on January 28th. Proceeds of the sale will finance construction of new schools and additions to standing structures.

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HOLBROOK, Ariz.—An election will be held to vote on isuing $150,000 bonds for constructing municipal water, electric light and sewer systems. Engineer A. M. Nicholson submitted estimates for the improvements.

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HOLLISTER, San Benito Co., Cal.—An election will be held in the Fairview School District on January 10th to decide the question of issuing and selling bonds of $15,000 with which to finance construction of a new school.

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SAN JOSE, Santa Clara Co., Cal.—The Chamber of Commerce is urging an election to decide the question of issuing and selling bonds of $1,000,000 or more with which to erect new schools and additions to the present structures.

C. S. Allen is President of the San Jose Board of Education.

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PIEDMONT, Alameda Co., Cal.—By a huge majority the Piedmont Union High School District has been formed. It is planned to call a bond election in the immediate future to secure funds with which to erect a new high school building under the newly organized district.

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SAN BERNARDINO, Cal.—An election will be held May 4 to vote on issuing $250,000 bonds for a fireproof building for court offices. Architect Howard E. Jones prepared preliminary plans and estimates for the building.

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FRESNO, Fresno Co., Cal.—The Bank of Italy has been awarded the purchase of the $3,800,000 county highway bond issue by the Board of Supervisors of which D. M. Barnwell is Clerk.

### CHURCHES

Plans Completed.
ADDITION Cost, $25,000
PORTLAND, Ore. Forty-second Ave. and 62nd St., S. E.
Frame and stucco church (addition) auditorium and school rooms, 70x90
Owner—Fifth Church of Christ Scientist.
Architects—Johnson, Parker & Wallwork, U. S. Bank Bldg., Portland.

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Ready For Figures January 12th.
CHURCH Cost, $100,000
ALAMEDA. No. 1931 San Antonio Ave.
Reinforced concrete church (Mission style).
Owner—St. Joseph's Catholic Church. (Rev J. B. Praught, Pastor).
Architects—W. D. Shea and Henry A. Minton, 244 Kearny St., San Francisco.
Bids will be taken for a general contract.

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PRINCETON, Colusa Co., Cal.—The Princeton Catholic Church, Rev. Father Riely, has appointed a committee to gather estimates and secure data for the erection of a modern church building. The committee appointed is composed of: A. P. Rose, Joseph Schiemer, Antone Machado, M. J. Howe and M. B. Fonseca.

### FACTORIES AND WAREHOUSES.

SALINAS, Monterey Co., Cal.—R. W. King, General Manager of the Caladero Products Co., Atascadero, is seeking the aid of the Chamber of Commerce of

Salinas where he plans to erect a dehydrating plant, costing between $40,000 and $50,000.

ROSEVILLE, Placer Co., Cal.—F G Wolf, Manager of the Pacific Fruit Express Company, announces that his company is planning the erection of a $70,000 addition to its present plant in Roseville. In addition to the buildings to be erected it is planned to install new machinery.

CHICO, Butte Co., Cal.—The Diamond Match Company, Chico, has commenced work on the following structures at its plant in Chico:

New office for retail and distributing department; main wood-working plant, 208x288 feet; sash and door warehouse and glazing rooms, 90x250 feet; finishing lumber and box shook storage, 200x225 feet; apiary department and two-story building, 125x175 feet; rough lumber storage warehouse, 150x400 feet; addition to factory building for bench work department, 40x108 feet; additional building adjoining for office, 34x42 feet, with basement lunch room for employes; loading dock adjoining factory and equipped with live rolls and feed chains, 100x200 feet.

W. B. Dean is manager of the Chico plant.

CORNING, Tehama Co., Cal.—S. E. Field Jr., local manager of the H. J. Heinz Corporation, is seeking contracts for cucumbers and if enough contracts are signed states his company will erect an addition to its present plant to handle the increased business.

OAKLAND, Cal.—H. E. Woolner, President of the Great Western Milling Co., 9th and Alameda Streets, Los Angeles, reports that Engineers Strong, Scott Manufacturing Co., of Minneapolis, Minn., are designing plans for the proposed $500,000 reinforced concrete milling plant to be erected on the Oakland waterfront near the tidal canal in East Oakland. The engineer to handle construction has not yet been selected, according to Mr. Woolner.

Plans Being Prepared. Contract Awarded.
ADDITION Cost, $75,000
FRESNO, Fresno Co., Cal. Broadway and Mono Streets.
One-story reinforced concrete addition to bottling plant, 85x125.
Owner—Richter Bottling Works, Prem.
Designer and Contractor—Fred Stone, Mason Bdg., Fresno.

Plans Being Figured.
WAREHOUSE, ETC. Cost, $35,000
SAN FRANCISCO. Twelfth Street near Howard.
One-story brick and reinforced concrete warehouse and salesroom (building to be strong enough for 2 additional stories).
Owner—Michelin Tire Co.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Figures are being taken for a general contract.

LOS ANGELES, Cal.—The Austin Co. of Cleveland, Ohio, John Harnish, District Sales Manager, Pacific Bldg., San Francisco, has the contract for the erection of a one-story steel and brick factory building, 90x400 ft., on Santa Fe Ave. near Vernon Ave., for Buttress & McClellan, now located at 205 N. Los Angeles St. The cost is estimated at $70,000. The site is now being cleared and steel is being shipped from the East.

Plans Being Prepared.
WAREHOUSE Cost, $40,000
FRESNO, Fresno Co., Cal. Tulare St. near First.
One-story corrugated iron warehouse, 50x600.
Owner—California Pine Box Distributors. Roy Stanley, Agent, Fresno.
Architect—Not Given.

Figures Being Taken For Lumber and Steel.
POTASH PLANT Cost, $20,000
DAVENPORT, Santa Cruz Co., Cal.
Three-story reinforced concrete potash plant.
Owner—Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco.
Engineer—E. Blanckenburg, 105 Montgomery St., San Francisco.
Bids are now being taken by the engineer for steel and lumber. Work will be done by days labor.

Plans Being Prepared.
COLD STORAGE PLANT
Cost, $250,000.
OAKLAND, Alameda Co., Cal. N First St., bet. Market and Myrtle Sts., 184 x300.
Reinforced concrete ice and cold storage plant.
Owner—National Ice & Cold Storage Co., Postal Telegraph Bldg., San Francisco.
Architect—Eng. Dept. of Owner.

Plans to be Prepared.
FACTORY BLDG. Cost, $——
OAKLAND, Alameda Co., Cal.
Fireproof factory building.
Owner—The Apex Appliance Co., 1723 Broadway, Oakland. (C. S. Replogle Manager.)
Architect—Not Given.

Plans Being Prepared.
LOFT BLDG. Cost, $60,000
OAKLAND, Alameda Co., Cal.
Class "C" loft building.
Owner—Withheld.
Architect—Wm. Knowles, Hearst Bldg., San Francisco.

Plans Being Prepared.
COMMERCIAL BLDG. Cost, $45,000
SAN FRANCISCO.
Fireproof commercial building.
Owner—Withheld.
Architect—Ernest Coxhead, Hearst Bldg., San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, $20,000
SAN FRANCISCO.
Two-story Class "C" warehouse.
Owner—Withheld.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Contract Awarded.
ADDITION Cost, $——
EMERYVILLE, Alameda Co., Cal. Near Key Route Subway.
Addition to present brick packing plant.
Owner—California Packing Co.
Architect—Phillip Bush, 101 California St., San Francisco.
Contractor—C. Christiansen & Son, 565 16th St., Oakland

Steel Contract Awarded. Foundations Being Figured.
BUILDINGS Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Two one and three-story reinforced concrete buildings.
Owner—California Packing Cpln., 101 California St., San Francisco.
Architect—Philip Bush, 101 California St., San Francisco.
Figures will be taken shortly for the general construction.

Plans to be Prepared.
PACKING PLANT Cost, $1,500,000
SACRAMENTO, Cal. Location Not Selected.
Reinforced concrete packing plant.
Owner—Virden Packing Co., Sacramento.
Architect—H. J. Brunnier, Sharon Bldg San Francisco.
The site has not been selected but will be in the near future. Only preliminary sketches have been prepared.

Plans Being Prepared.
WAREHOUSE Cost, $17,500
SAN FRANCISCO. S McAllister W of Gough.
Two-story and basement brick warehouse.
Owner—Mr. Hoffman.
Architect—M. I. Schwartz, Nevada Bk. Bldg., San Francisco.

GRIDLEY, Butte Co., Cal.—Palmer & Peterson, Monadnock Bldg., San Francisco, who have the general contract for the Libby, McNeil & Libby plant at Gridley, have awarded a contract to Bolt & Conrath of Gridley for the plumbing work in connectoin with the plant which is estimated to cost $335,000.

Plans for the building were prepared by Architect Washington J. Miller, 417 Market street, San Francisco.

Steel and Lumber Figures Being Taken
ROCK CRUSHING PLANT
Cost, $75,000.
DAVENPORT, Santa Cruz Co., Cal.
Four-story reinforced concrete rock crushing plant.
Owner—Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco.
Engineer—E. Blanckenburg, 105 Montgomery St., San Francisco.
Bids for steel and lumber are now being taken by the engineer. Work will be done by days labor.

Plans Being Prepared.
WAREHOUSE Cost, $120,000
MODESTO, Stanislaus Co., Cal. Northern Section of City.
Brick and concrete warehouse, 400x75.
Owner—Borden Condensed Milk Co. C. D. Van Dersen, Supt. Modesto Branch.
Architect—Engineering Department of Owners.

Building Permit Granted.
ADDITION Cost, $30,000
MODESTO, Stanislaus Co., Cal. Northern Section of City.
Two-story brick and reinforced concrete addition for milk condensary, 60x92.
Owner—Borden's Condensed Milk Co. C. D. Van Dersen, Supt. of Modesto Branch.
Architect—Engineering Department of Owners.

## GARAGES

Plans Being Prepared.
GARAGE, ETC. Cost, $75,000
WATSONVILLE, Santa Cruz Co., Cal. West Third and Rodriguez Sts.
One-story brick auto salesrooms and garage, 175x178.
Lessee—Apperson Motors Corp.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Prepared.
GARAGE Cost, $18,000
TULARE, Tulare Co., Cal.
One-story concrete garage.
Owner—C. R. Russell, Tulare.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Permit Applied For.
GARAGE, ETC. Cost, $40,000
MODESTO, Stanislaus Co., Cal. Tenth and "K" Streets.
Two-story reinforced concrete garage and auto salesrooms.
Owner—L. H. Peterson Co., 819 11th St., Modesto.
Architect—Not Given.

Plans Being Figured.
GARAGE Cost, $35,000
SAN FRANCISCO. Western Addition.
One-story reinforced concrete garage building.
Owner—Withheld
Architects—O'Brien Bres., 240 Montgomery St., San Francisco.

Plans Being Prepared.
GARAGE, ETC. Cost, $60,000
MODESTO, Stanislaus Co., Cal. Tenth St. bet. K and L Streets, running through to Ninth Street.
One-story reinforced concrete and brick garage, auto salesrooms and repair shop (depth of 280 ft.)
Owner—C. C. Parks, Modesto.
Architect—Not Given.

Plans Being Prepared.
MACHINE SHOP Cost, $13,000
SAN FRANCISCO. Post Street.
One-story Heath tile store and machine shop building (2 stores).
Owner—Withheld.
Architect—Miss Grace Jewett, 57 Post St., San Francisco.

Plans to be Prepared.
GARAGE Cost, $——
NAPA, Napa Co., Cal. Corner Third & Randolph Streets.
One-story reinforced concrete garage, 60x100.
Owner—Jules Thibaut, Napa.
Architect—Not Yet Selected.

Contract Awarded.
GARAGE Cost, $30,000
FOWLER, Fresno Co., Cal. Intersection State Highway and Merced St.
One-story concrete and brick garage, 87x115.
Owner—T. A. Grimstad, Fowler, Cal.
Architect—Not Given.
Contractor—Johnson Bros., Kingsburg.

FRESNO, Fresno Co., Cal.—The San Joaquin Light & Power Corporation has acquired a site on First avenue and is having plans prepared for a garage and machine shop, 225x150 ft., to be erected as soon as permission is obtained from the State Railroad Commission.

Plans Being Prepared. Ready for Figures in About a Week.
GARAGE Cost, $50,000
SAN FRANCISCO. N Geary Street E of Van Ness Avenue.
Two-story and basement reinforced concrete garage.
Owner—Henry Suma Estate Co.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Figures will be taken for a general contract except plumbing and electric work which will be let separately.

Sketches Being Prepared.
GARAGE Cost, $200,000
SAN FRANCISCO. Down Town District
Four-story reinforced concrete garage
Owner—Withheld.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.

## GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—The Supervising Architect, Treasury Department, has approved the following materials for use in the work of constructing attendants' quarters, kitchen and mess hall, etc., at the U. S. marine hospital, San Francisco:

Boiler, American Radiator Co.; column and wall radiators, American Radiator Co.; radiator valves, Crane Co., Nos. 231 and 112; non-conducting covering for plumbing, Plant Rubber & Asbestos Works; non-conducting covering for heating, Plant Rubber & Asbestos Works; air valves for radiator and hot water tank, Hoffman Specialty Co., Nos. 1 and 8; do. for end of steam mains, Hoffman Specialty Co., No. 4.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, Office of the General Purchasing Agent, 422 Bell Street Terminal, Seattle, Wash., up to May 3rd, 11 A. M., for furnishing and erecting under Circular 398 one steel superstructure for Hurricane Gulch Bridge in Alaska. Plans and further information may be had from C. E. Dole, General Purchasing Agent of the Commission.

**NOTE:**—Copy of official proposal is on file in this office.

WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer, The Panama Canal, up to 10:30 A. M., January 14th, under Circular 1328 for furnishing and delivering cable, free of all charges, on dock at either Cristobal (Atlantic Port) or Balboa (Pacific Port), Canal Zone, Isthmus of Panama.

WASHINGTON, D. C.—The Erickson Construction Co., 25 Downs Bock, Seattle, Wash., has been awarded the contract for dredging the receiving-ship-pier at Puget Sound, under Specification No. 4110, the bid being 90 cents per cubic yard, time for completion, 30 days.

## HALL & SOCIETY BUILDINGS

Plans Prepared.
COUNTRY CLUB Cost, $45,000
CULVER CITY, Los Angeles Co., Cal.
Two-story frame and plaster country club, 176x126.
Owner—California Country Club.
Architect and Supterintendent—H. H. Whiteley, 428 Story Bldg., Los Angeles.

Plans Being Prepared.
ALTERATIONS Cost, $15,000
OAKLAND, Alameda Co., Cal. Harrison St. bet. 12th and 13th Sts.
Alterations to two-story frame lodge building.
Owner—Ahmes Temple Mystic Shrine.
Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.

## HOSPITALS

Plans Being Prepared.
HOSPITAL Cost, $40,000
PORTLAND, Ore. Kelly Butte.
Two-story hollow tile and stucco contagious hospital.
Owner—City of Portland.
Architect—Otto Kleeman, Care City Building Inspector Plummer, City Hall, Portland, Ore.

OAKLAND, Cal.—Following bids were received and taken under advisement by the County Supervisors, Geo. E. Gross, County Clerk, for furnishing and installing furniture and equipment in the Alameda County Hospital building:

| | |
|---|---|
| F. W. Wentworth Co. | $ 296.00 |
| C. F. Weber Co. | 865.50 |
| Schleuter Beecher Co. | 5,417.95 |
| Simmons Co. | 2,620.90 |
| Rucker-Fuller Co. | 300.00 |
| Reid Bros. | 8,202.16 |
| Percy Meyer | 9,176.00 |
| Jackson Furniture Co. | 2,250.00 |
| The Aluminum Cooking Utensil Co. | 280.00 |
| Albatros Metal Furniture Co. | 9,006.00 |
| Bischoff Surgical House | 9,583.00 |
| California Desk Co. | 304.60 |
| Eames Co. | 400.40 |
| Heywood Bros. & Wakefield | 2,762.95 |

## HOTELS

FALLON, Nevada.—The erection of a $150,000 hotel and lodge building in Fallon is planned by the Fallon Commercial Club, among whose members are: C. W. Foot, George B. Williams, and Thomas Dolf, Officers of the Churchill County Bank.

Plans Being Prepared.
ALTERATIONS Cost, $——
LOS ANGELES, Cal. Seventh Street and Broadway.
Extensive alterations to Lankershim Hotel.
Owner—Col. J. B. Lankershim.
Architect—A. B. Rosenthal, 407 Lankershim Bldg., Los Angeles.

Plans Being Figured.
HOTEL Cost, $50,000
PASO ROBLES, San Luis Obispo Co., Cal.
Fireproof hotel.
Owner—Withheld.
Architect—W. C. Phillips, 158 Pierce St., San Jose.

Plans Being Prepared.
HOTEL BLDG. Cost, $125,000
FULLERTON, Orange Co., Cal.
Three-story brick hotel and store building.

Owner—A Syndicate of Fullerton Citizens.
Architects—Walker & Eisen, 1402 Hibernian Bldg., Los Angeles.

## POWER PLANTS

Plans Being Completed.
POWER PLANT Cost, $183,000
OLYMPIA, Wash. State Capitol Grounds.
Granite and stone power plant, including tunnels, piping, etc.
Owner—State of Washington.
Architects—Wilder & White, New York City, New York.

## PUBLIC BUILDINGS

VALLEJO, Solano Co., Cal.—The Vallejo Electric Light & Power Co., Vallejo, has been awarded the contract at $800 for furnishing and installing electric light fixtures in the new Y. M. C. A. building on Sonoma street.

SAN JOSE, Santa Clara Co., Cal.—C. Y. Pitman, County Assessor, at the last meeting of the County Supervisors requested the Board for permission to purchase furniture for his office.

The matter was referred to the committee of the whole. Henry A. Pfister is County Clerk.

Plans Approved.
MEMORIAL BLDG. Cost, $——
CARSON CITY, Nevada.
Two-story and basement fireproof Memorial Building.
Owner—State of Nevada.
Architect—F. J. De Longchamps, State Architect, Carson City, Nevada.
Building will contain general library, law library, offices, etc.

Plans Being Prepared.
ALTERATIONS Cost, $——
WATSONVILLE, Santa Cruz Co., Cal.
Alterations for women's rest room.
Owner—Merchants' Ass'n. of Watsonville, Frank Rodgers, Chairman of Committee.
Architect—Ralph Wyckoff, Watsonville, Cal.

Contract Awarded.
AUTO STAGE DEPOT Cost, $40,000
FRESNO, Fresno Co., Cal. "J" and Mono Streets.
One-story concrete building (auto stage depot).
Owner—J. M. Rustigian, Fresno.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Prichard Bros., 623 Ferger St., Fresno.

Plans Being Figured. Bids Close Jan. 29, 1920, 10 A. M.
ADMINISTRATION BLDG.
Cost, $588,000.
OLYMPIA, Wash. Water Street bet. 13th and 14th Streets.
Three-story "Index" granite and "Wilkesone" store administration building, 75x219 (2nd unit of State Capitol group).
Owner—State of Washington.
Architects—Wilder & White, New York City, New York.

Contract Awarded.
ALTERATIONS Cost, $2,880
OROVILLE, Butte Co., Cal.
Alterations for Superior Court Room in Court House.
Owner—County of Butte.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico.
Contractor—L. E. Hight, Chico.
The only other bid was that of Hibbard Bros. at $3,237.

Plans Being Prepared.
POLICE STATION, ETC. Cost, $5,000
MODESTO, Stanislaus Co., Cal. Tenth Street bet. F and G Streets.
Two-story brick police station and City Engineer quarters, 40x30.
Owner—City of Modesto.
Architect—Geo. H. Freitas, City Engineer, Modesto.

Plans Being Figured. Bids Close January 26, 1920.
ADMINISTRATION BLDG.
Cost, $——
TURLOCK, Stanislaus Co., Cal. Delhi Colony near Turlock.
Hollow tile or frame with metal lath and stucco finish administration building, 30x60 (5 offices, storerooms, vault, etc.)
Owner—Land Settlement Board of the State of California.
Architect—Max E. Cook, Farmstead Engineer, Turlock.

SAN FRANCISCO.—Mr. and Mrs. A. B. Spreckels have donated $320,000 to the San Francisco Park Commission for the construction of a Class "A" memorial building to be erected in Alta Plaza Park, bounded by Jackson, Clay, Steiner and Scott Streets.

It will be a replica of the famous French Palace of Legion of Honor in Paris.

Mr. and Mrs. Spreckels will also present to the city some of their famous statuary, paintings, etc., amounting to $650,000.

## RESIDENCES

Contract Awarded.
RESIDENCE Cost, $30,000
LOS ANGELES, Cal. Eighth St. and Westerly Drive.
Two-story and basement frame and plaster residence (13 rooms and 3 bathrooms).
Owner—Dr. W. S. T. Smith, 545 S-Manhattan Place, Los Angeles.
Architect and Contractor—Milwaukee Bldg., Co., 318 Wright & Callender Bldg., Los Angeles.

Contract Awarded.
ALTERATIONS Cost, $10,000
MOUNTAIN VIEW, Santa Clara Co. Calif.
Extensive alterations and additions to residence.
Owner—Arthur E. J. Nuhn.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—L. F. Fischer, 206 Clement St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $12,000
TULARE, Tulare Co., Cal.
One-story tile residence (7 rooms).
Owner—C. R. Russell, Tulare.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Contract Awarded.
RESIDENCES Cost, $7,000 each
WOODLAND, Yolo Co., Cal. Vicinity of College Avenue and Clover Street.
Nine one-story residences.
Owner—P. J. Prien, Woodland.
Architect—Not Given.
Contractor—W. Patterson, Woodland.

Plans Being Figured.
ADDITION. COST, $——
OAKLAND, Alameda Co., Cal. Claremont District.
Two-story addition to present two-story frame residence (5 rooms and sleeping porch, also separate garage.)
Owner—Mr. McDuffie, of Mason-McDuffie Company.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $30,000
SAN FRANCISCO.
Large residence.
Owner—Withheld.
Architect—Ernest Coxhead, Hearst Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $3,000
BERKELEY, Alameda Co., Cal.
Alter residence.
Owner—John French.
Architect—Wm. Knowles, Hearst Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $10,000
MAYFIELD, Santa Clara Co., Cal.
One-story 7-room residence.
Owner—F. M. Frederick.
Architect—E. L. Norberg, 742 Market St., San Fracnisco.
Contractor—C. Bessett, 343 29th Ave., San Francisco.

Plans Being Prepared.
RESIDENCES Cost, $8,000 to $12,000 each.
SAN FRANCISCO. St. Francis Wood.
Ten two-story and basement frame residences and garages (6 to 8 rooms).
Owner—St. Francis Home Bldg., Co. & Garden Homes Bldg. Company.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $50,000
SAN FRANCISCO. SW Pacific Avenue and Lyon Street.
Two-story, basement and attic frame and plaster residence.
Owner—Leo. J. Clayburgh.
Architects—Willis Polk & Co., Hobart Bldg., San Francisco.
Figures will be taken for a general contract. Entirely new plans have be made.

Plans Being Figured.
RESIDENCE Cost, $10,000
YUBA CITY, Sutter Co., Cal.
One-story and basement frame and stucco residence (8 rooms; Tay plumbing fixtures).
Owner—J. H. Lehner.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico.

Completing Plans.
RESIDENCE Cost, $10,000
SANTA CLARA, Santa Clara Co., Cal.
Two-story and basement frame and plaster residence (8 rooms) separate garage, etc.
Owner—W. B. Weston, Santa Clara

Architect—Warren C. Perry, Newall Bldg., San Francsico.
NOTE:—Work will be done by days labor under the supervision of the owner.

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Figures to be Called For in About Two Weeks.
FRAME RESIDENCE Cost, $60,000
PALO ALTO, Santa Clara Co., Cal.
Two-story and basement frame residence.
Owner—Mr. J. Henry Meyer.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

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Commissioned to Prepare Plans.
RESIDENCE, ETC. Cost, $60,000
SAN FRANCISCO. St. Francis Blvd. from Santa Clara Ave to San Buena Vista Way.
Large residence and garage.
Owner—Nathan C. Wolf, of Holland & Batavia.
Architects—Chas. F. Masten and Lester W. Hurd, 1st Trust Bldg., Oakland.

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Plans Being Prepared.
RESIDENCE Cost, $10,000
SAN MATEO, San Mateo Co., Cal.
Two-story and basement frame and plaster residence (studio type, 7 rooms and separate garage.)
Owner—M. L. Marx.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.

## SCHOOLS

SEATTLE, Wash.—Larson & Belling, Seattle, at $147,480 submitted the lowest bid to School District No. 1 for the construction of the proposed Greenwood school building and they will probably be awarded the contract. Other bids ranged as high as $179,970.

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MADERA, Madera Co., Cal.—From plans prepared by Architects Swartz & Swartz, Rowell Building, Fresno, the following bids were received for the construction of an addition to the present Madera Union High School building:

| | |
|---|---|
| R. W. Brown, Madera | $65,745 |
| W. M. Brown, Madera | 72,286 |
| Barkelew & Gould, Fresno | 76,540 |
| T. B. Goodwin, S. F. | 82,286 |
| E. Etherton Co., S. F. | 92,545 |

Contract was awarded to R. W. Brown at $65,745. Addition will be three stories in height of brick construction and will contain six class rooms and auditorium.

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SANTA ROSA, Sonoma Co., Cal.—Archbishop Edward J. Hanna, 1100 Franklin St., San Francisco, has been in Santa Rosa gathering details for the proposed new school building which it is planned to erect in this city. Rev. J. M. Cassin and Rev. F. V. Long of Santa Rosa are seeking suitable sites for the proposed building.

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Plans Being Completed.
INDUSTRIAL ARTS BLDG. Cost, $32,000.
CHICO, Butte Co., Cal.
Industrial arts building for State Normal School.
State Normal School, C. M. Osenbaugh, President.
Owner—State of California.
Architect—Geo. E. McDougall, State Architect, Sacramento, Cal.

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Working Drawings Being Prepared. Ready for Figures in 2 Months.
ANNEX TO SCHOOL Cost, $——
SAN FRANCISCO. Eddy St. bet. Polk and Van Ness Avenue.
Two-story Class "B" annex to Adams School (6 class rooms).
Owner—City and County of San Francisco.
Architect—Morris M. Bruce, Flood Bldg San Francisco.

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SCHOOL Cost, $52,000
ORANGETHORPE, Orange Co., Cal.
Hollow tile school.
Owner—Orangethorpe School District.
Architect—J. Flood Walker, 1st Nat'l. Bank Bldg., Anaheim.

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Preliminary Plans Being Prepared.
SCHOOLS Cost, Not Yet Decided.
TURLOCK, Stanislaus Co., Cal.
Two two-story and basement brick Schools (14 or 16 rooms each).
Owner—Turlock School District. Chas. Lindahl, Clerk, Turlock.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Bonds. of $89,000 voted for both structures.

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Working Drawings Being Prepared. Ready for Figures in 3 Months.
SCHOOL Cost, $200,000
SAN FRANCISCO. Broadway, bet. Broderick and Baker Sts. Grant Grammar School.
Two-story reinforced concrete school. (18 class rooms.)
Owner—City and County of San Francisco.
Architect—John Reid Jr., First National Bank Bldg., San Francisco.

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Working Drawings Being Prepared. Ready for Figures in 2 Months.
SCHOOL Cost, $500,000
SAN FRANCISCO. Van Ness Avenue and Bay Street.
Two, three and four-story reinforced concrete school (North Beach High School).
Owner—City and County of San Francisco. a
Architect—J. Reid Jr., First National Bank Bldg., San Francisco.
Building will contain an auditorium, two gymnasiums, shops, 18 academic rooms, etc.

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Plans to be Prepared.
SCHOOL Cost, $200,000
TURLOCK, Stanislaus Co., Cal.
Fireproof high school.
Owner—Turlock Union High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

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Figures to be Called for About January 20th.
SCHOOL Cost, $125,000
MARTINEZ, Contra Costa Co., Cal.
Two-story brick or reinforced concrete High School (16 rooms and an assembly hall).
Owner—Alhambra High School District
Architect—A. A. Cantin, 68 Post St., San Francisco.
Figures will be called for both brick and reinforced concrete construction.

Commissioned to Prepare Plans.
SCHOOL Cost, $30,000
TRACY, San Joaquin Co., Cal. Location Not Selected.
One-story reinforced concrete school building.
Owner—Tracy Grammar School District.
Architects—Wright & Sala, Bank of Italy Bldg., Stockton.
Bonds to the amount of $34,000 have been sold.

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Plans Being Figured. Bids Close Jan. 24, 1920, 7 P. M.
SCHOOL Cost, $65,000
SAN BERNARDINO CO. Mt. Vernon School Site.
Reinforced Concrete school (12 rooms).
Owner—San Bernardino School District (B. R. Crandall, Secretary).
Architect—F. T. Harris, 205 Katz Bldg., San Bernardino.

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Figures to be Called for in About A Month.
SCHOOL Cost, $34,000
DUNSMUIR, Siskiyou Co., Cal.
One-story frame and plaster school (12 rooms).
Owner—Dunsmuir Grammar School District.
Architects—Woollett & Lamb, Physicians Bldg., Sacramento.

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CORNING, Tehama Co., Cal.—The time for receiving bids for the construction of the new Corning Grammar school building has been extended from January 2, 1920, to January 22, 1920, 8 P. M.
Plans for the building, a one-story reinforced concrete structure, were prepared by Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
A. J. Symonds is Clerk of the Corning Grammar School District.
Bonds of $46,000 have been voted to finance construction.

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Plans Being Figured. Bids Close Feb. 10, 1920, at 4:15 P. M.
SCHOOL Cost, $400,000
BERKELEY, Alameda Co., Cal. Grove, Milvia, Channing Way and Bancroft Way.
Three-story reinforced concrete high school building, 28 rooms (academic and administration building).
Owner—City of Berkeley.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Figures will be taken as follows:
Excavation; concrete; masonry; carpentry; plumbing; heating; electric work; roofing; painting and lockers.

## STORES AND OFFICES

Plans Being Prepared.
ALTERATIONS Cost, $30,000
FRESNO, Fresno Co., Cal. In Forsythe Building.
Alterations to present saloon quarters for cafeteria. (Seating capacity 800).
Owner—Forum Cafe, H. Harris, Prop.
Architect—Not Given.

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Contract Awarded.
BAKERY & GARAGE. Cost, $60,000 approximately.
SAN FRANCISCO. NW Buchanan and Eddy Streets.
One-story reinforced concrete bakery

and garage building, 120x200.
Owner—E. B. De Golia.
Architect—J. H. Powers, 460 Montgomery St., San Francisco.
Contractor—Cahill & Vensano, 110 Sutter St., San Francisco.

Contract Awarded.
STORES Cost, $19,000
PORTLAND, Ore. Sixth St., bet. Flanders and Glisan Sts.
One-story brick stores, 100x100.
Owner—A. F. Wheeler and H. W. Monnasters.
Architect—C. W. Ertz, Pittock Block, Portland.
Contractor—Ertz & Wegman, Pittock Bldg., Portland.

Ready For Figures Next Week.
ALTERATIONS Cost, $15,000 to $20,000
OAKLAND, Alameda Co., Cal. Ninth and Broadway (Water Company's Building).
Alter building into large butcher shop (deepen basement, lower first floor to street level, tile, marble, plate glass work, etc.)
Owner—Withheld.
Architect—A. A. Cantin, 68 Post St., San Francisco.

Plans to be Prepared.
BANK & OFFICE Cost, $150,000
BERKELEY, Alameda Co., Cal. NW Shattuck Ave. and Addison St.
Five-story reinforced concrete bank and office building.
Owner—College National Bank.
Architect—Warren C. Perry, Newhall Bldg., San Francisco.

Plans Being Prepared.
CIGAR STAND Cost, $5,000
SACRAMENTO, Cal. Tenth and "K" Streets.
Install cigar stand in Hotel Land.
Owner—F. E. Butler.
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

Working Drawings Being Prepared.
OFFICE BUILDING Cost, $450,000
SAN FRANCISCO. SW Montgomery & Bush Streets.
Thirteen-story Class "A" office building.
Owner—Crocker Estate Co.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Contract Awarded.
STORE, ETC. Cost, $2,500,000
LOS ANGELES. Cal. Sixth Street and Grand Avenue.
Twelve-story and basement Class "A" store and office building, 218x170.
Owner—Pacific Mutual Life Ins. Co.
Architects—W. J. Dodd & Wm. Richards, 905 Brack-Shops Bldg., Los Angeles.
Contractor—Pacific Marine & Construction Co., 510 Wright & Callender Bldg., Los Angeles.
The structural steel is being fabricated by Llewellyn Iron Works and the terra cotta contract has been awarded to Gladding, McBean & Co. of San Francisco. The excavating is being completed by J. A. Hill and work will be commenced on the foundation at once.

Plans Being Prepared.
FRAME STORES Cost, $10,000
SAN FRANCISCO. Mission District.
One-story frame building (2 stores).
Owner—Withheld.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Being Figured.
STORE BLDG. Cost, $7,500
SAN FRANCISCO. W Mission 146 N 23rd Street.
Two-story frame store building.
Owner—Skaller Realty & Trading Co., Phelan Bldg., San Francisco.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans Being Prepared.
STORES & OFFICES Cost, $36,000
BEND, Oregon. Bond and Oregon Sts.
Two-story brick stores and offices, 100x140.
Owner—H. H. de Armond and N. H. Gilbert, Bend, Oregon.
Architect—Lee A. Thomas, Bend, Ore.

Commissioned to Prepare Plans.
STORE & OFFICE BLDG., ETC. Cost, $1,500,000.
LOS ANGELES, Cal. SW Seventh and Broadway.
Twelve-story Class "A" theatre store and office building, 110x160 (450 offices.)
Owner—S. Harris and Irving C. Ackerman.
Architects—Weeks & Day, Phelan Bldg., San Francisco, & Reid Bros., 105 Montgomery St., San Francisco, Associated.

Ready For Figures This Week.
ALTERATIONS Cost, $3,000
SAN FRANCISCO. No. 352 Post St.
Alterations to store (office partitions, etc.)
Owner—Cosgrave Cloak & Suit Co., Premises.
Architect—S. Heiman, 57 Post St., San Francisco.

Plans Being Figured.
STORE BUILDING Cost, $18,000
SAN FRANCISCO. E Mission 125 S 18th Street.
One-story brick store building.
Owner—Lotta P. Rossier, 1775 Golden Gate Ave., San Francisco.
Architects—Weeks & Day, Phelan Bldg., San Francisco.

Plans Being Prepared.
OFFICE BLDG. Cost, $16,000
REDWOOD CITY, San Mateo Co., Cal. Broadway Street.
One-story frame (pressed brick front) with mezzanine floor office building
Owner—Pacific Gas & Electric Co., 445 Sutter St., San Francisco.
Architect—Engineering Department of Owner.
Contrcator—Gus Waller, Redwood City

Plans to be Prepared.
DEPT. STORE Cost, $250,000
OAKLAND, Alameda Co., Cal. Broadway N of 14th Street.
Three-story reinforced concrete department Store building.
Owner—Manheim & Mazor, 1314 Clay St., Oakland. Jacob Samuels, Mills Bldg., San Francisco, Attorney.
Architect—Not Selected.

Contract Awarded.
ADDITION Cost, $36,500
HOLLYWOOD, Los Angeles Co., Cal.
Three-story and basement brick addition to sub-station.
Owner—Pacific Tel. & Tel. Co., 1437 North Gower St., Los Angeles.
Architect—Eng. Dept. of Owner.
Contractor—J. A. Mathis, 336 W-31st St., Los Angeles.

Plans Being Completed.
STORE AND LOFTS Cost, $——
SEATTLE, Wash. SE Seventh Ave and Pine Street.
Seven-story Class "A" reinforced concrete store and loft building (terra cotta or Tufalun (Oregon) stone exterior.)
Owner—Geo. E. Seibert, Seattle.
Architect—A. Warren Gould, American Bank Bldg., Seattle.

Contract Awarded On a Percentage Basis.
DEPT. STORE. Cost, $90,000
MODESTO, Stanislaus Co., Cal. Tenth St. bet. "K" and "L" Sts.
Two-story and basement reinforced concrete department store (all work except elevators, terra cotta, foundations and excavation).
Owner—The Thompson Co.
Architects—Walker & Eisen, 1402 Hibernian Bldg., Los Angeles.
Contractor—Geo. J. Ulrich, City Hall, Modesto.
The excavating and concrete foundation work have been completed by Ernest Green of Modesto. The building will cost $90,000. The Stephens Manufacturing Co., 1026 S. Grand Ave., Los Angeles, has the contract for the plumbing, steam heating and ventilating system.

Contract Awarded.
MERCANTILE BLDG. Cost, $200,000
LOS ANGELES, Cal. NE Sixth Street and Broadway.
Five-story and basement Class "A" mercantile building, 77x119.
Owner—F. B. Silverwood.
Architects—Walker & Eisen, 1402 Hibernian Bldg., Los Angeles.
Contractor—C. J. Kubach Co., 701 Merchants National Bank Bldg., Los Angeles.

Granite Contract Awarded.
BANK AND OFFICES Cost, $500,000
SAN FRANCISCO. NW Eddy & Powell Streets.
Six-story Class "A" bank and offices.
Owner—Bnak of Italy.
Architects—Bliss & Faville, Balboa Bldg., San Francicso.
Granite work awarded to The California Granite Co., 185 Stevenson St.
The steel, grading and foundation contracts have also been awarded.

Figures Being Taken For Granite and Stone Work.
BANK BLDG. Cost, $300,000 or more
SAN FRANCISCO. W Montgomery St. bet. Pine and Sutter, adj. First National Bank Bldg.
Two and three-story and basement Class "A" bank and office building.
Owner—First Federal Trust Co. and First National Bank.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—J. E. Scully, Flood Bldg., San Francisco.

HANFORD, Kings Co., Cal.—L. G. Nieson of Hanford will erect a two-story brick building, 37½x150 ft., on W. Eighth St. W. C. Gallaher and H.

M. Bernstein also of Hanford will erect one or two buildings on a site 75x150 ft. on Eighth St., in addition to the one now being started by Mr. Gallaher. Other property owners in the same block have agreed to erect business buildings, the construction planned to aggregate in cost $125,000.

Plans Being Figured.
ADDITION Cost, $25,000
SAN FRANCISCO. NW Pine and Front Streets.
Two-story addition to present two-story Class "C" building.
Owner—A. L. O'Brien.
Architects—O'Brien Bros., 240 Montgomery St., San Francsico.

Plans Being Prepared. Ready for Figures in About Two Weeks.
STORE Cost, $20,000
SANTA MARIA, Santa Barbara Co., Cal.
One-story tile and plaster store.
Owner—Withheld.
Architect—W. C. Hays, 1st National Bank Bldg., San Francisco.
Figures will be taken from San Francisco and Santa Maria contractors

Plans Being Prepared.
CLASS "A" BLDG. Cost, $——
SAN FRANCISCO. N Golden Gate Ave 137-6 W Taylor St., 55x137-6.
Class "A" building.
Owner—Salvation Army, 417 Market St., San Francisco.
Architect—Not Selected.

Plans Being Prepared.
MARKET BLDG. Cost, $40,000
SAN FRANCISCO. N Clay Street near Sansome.
Two-story and basement reinforced concrete wholesale meat market building, 44x120.
Owner—Isabella M. Cowell.
Lessee—Baumgarten Bros., 1495 Ellis St., San Francisco.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Plans will be ready for figures in about three weeks.

Contract Awarded.
STORE BLDG. Cost, $25,000
FRESNO, Fresno Co., Cal. "J" St. bet. Inyo and Mono Streets.
One-story brick store building.
Owner—Martha and Geo. Brocks and A. Halemeier.
Lessee—Eyemann Hardware Co.
Architect and Contractor—Anton Johnson, Kingsburg, Cal.

## THEATRES

SAN PEDRO, Los Angeles Co., Cal.—F. O. Adler, proprietor of the Victoria Theatre, San Pedro, has purchased four lots on the north side of Sixth St. between Palos Verdes and Center Sts., San Pedro, and contemplates the erection of a three-story theatre and office building on 100 ft. of the property, having a depth of 125 ft. The theatre auditorium will seat 1700 people. The upper stories will contain about ten offices each. Mr. Adler states that he has not selected an architect yet. The contract for grading the property has been awarded to Dodson & Butterfield. Ramon Sepulveda, who owns the corner of Sixth and Center Sts., has also let the contract for bringing his property down to grade and contemplates the erection of a four-story building; architect not selected.

SACRAMENTO, Cal.—Articles of incorporation have been filed with the Sacramento County Clerk, Harry W. Hall, by the Lafayette Investment Company with a capitalization of $100,000.

The company proposes to deal in theatres and other places of public entertainment. The directors are Horita Kalichi, Notosuke Iria and L. T. Freitas.

# ENGINEERING

## BRIDGES, DAMS & HARBOR WORK

FRESNO, Fresno Co., Cal.—The County Board of Supervisors, D. M. Barnwell, County Clerk, has awarded a contract to Jap. E. Mitchell, 206 Strauther St., Fresno, at $36,272.31 for the construction of the following bridges:

Concrete bridge, one-half mile north of Sanger, across the Fowler Switch canal, $6,036.86.

Reconstruction of a bridge, 1.75 miles southeast of Tranquillity, $2,040.

Repair of two bridges, one and two miles north of Tranquillity $4,424.

Concrete bridge on Mount Whitney avenue, one mile east of Riverdale, $2,800.

Concrete bridge on Adams avenue, three miles east of Fowler, $3,431.25.

Repairing bridge across Fresno slough, 1.85 miles west of San Joaquin, $6,405.

Concrete bridge, 1.75 miles southwest of Tranquillity, $988.20.

Repair of three bridges, 1.75, 3.30 and 3.30 miles north of San Joaquin, on the road to Kerman, $10,147.

MADERA, Madera Co., Cal.—Plans and specifications presented to the County Supervisors, W. R. Curtin, County Clerk, for the proposed Ash Slough bridge in Supervisor District No. 2, were adopted and bids ordered received for construction up to February 2nd, 2 P. M.

HOLLISTER, San Benito Co., Cal.—E. J. Sparling & Son, Hollister, were awarded contracts at the last session of the County Supervisors for the construction of two bridges on the new Pacheco Pass-Hollister Road:

**Bridge No. 1.**

| | |
|---|---|
| W. I. McReynolds | $3,883 |
| Edw. H. Martin | 3,834 |
| E. J. Sparling & Son | 2,999 |

**Bridge No. 2.**

| | |
|---|---|
| Edw. H. Martin | $5,249 |
| W. I. McReynolds | 4,777 |
| E. J. Sparling & Son | 3,995 |

Elmer Dowdy is County Clerk.

## IRRIGATION WORK

SAN JOSE, Santa Clara Co., Cal.—Following bids were received by the County Supervisors, Henry A. Pfister, County Clerk, for digging the well and installing pump and motor at the County alms house:

Surveyor's estimate: Bid A—well, $2351; bid B—Complete, $4926; bid C—Without power, $3956. California Hydraulic Engineering Supply Company will furnish outfit complete for $5,629.40; without power, $4765. Bid of Byron Jackson Iron Works: Bid A—Digging and casing well, $2650; bid B—Supplying pump and installing the same with direct connected motor, $2,275; bid C—Supplying pump and installing the same and connecting same to power furnished by county, $1445. The Layne & Bowler Corp.: Bid A—$3766.20; bid B—$2280.50; bid C—$1,338.52. Garden City Electrical Company: Bids $4125 for boring well and installing one 12-inch turbine pump with a total head of 50 feet, and installing motor, $684.

The bids were taken under advisement.

COLUSA, Colusa Co., Cal.—Engineer Charles de St. Maurice has been notified by the State authorities that the drainage project of the Upper Colusa Basin will be known as Reclamation District No. 2047.

The plans are nearing completion and as soon as the district is voted into official existence this month the work on it will start.

MADERA, Madera Co., Cal.—The proposition to organize the Madera Irrigation District carried by a big majority at the special election on January 2. The district comprises 350,000 acres. The campaign for the organization of the district was started about 4½ years ago. Quinton, Code & Hill, Hollingsworth Bldg., Los Angeles, were retained as consulting engineers. The project includes the building of a dam on the San Joaquin river just east of Friant, to impound water for the summer season, diversion of water during flood season, pumping of water by plants operated by the district in the lower lands and provision for an adequate drainage system.

NORD, Butte Co., Cal.—James F. King, Gridley, has been awarded a contract by the Gianella Land Company of Nord, to make 4,000 feet of 18-inch concrete pipe to be used in the construction of a pumping line from the Sacramento river to the company's lands for irrigation purposes.

MADERA, Madera Co., Cal.—The election held for the formation of the proposed Madera Irrigation District carried by a large majority and steps will now be taken to call an election to vote bonds with which to finance construction of an irrigation system, plans for which are being prepared by Engineers Quinton, Code & Hill, Los Angeles.

Attorney A. L. Cowell of Stockton is handling the legal business for the District.

WILLOWS, Glenn Co., Cal.—The Shattuck-Edinger Co., 525 Market St., San Francisco, has been awarded a contract by the Glenn-Colusa Irrigation District, which purposes to purchase the canal system of the Sacramento West Side Canal Company, for enlarging the canals of the system by dredging, etc. The contract will run in the neighborhood of $1,000,000 when all the work has been completed.

Fred H. Tibbetts, Alaska Commercial Bldg., San Francisco, is the Engineer.

OROVILLE, Butte Co., Cal.—Definite steps have been taken for the formation of another Butte county irrigation district, embracing 20,000 acres in the Thermalito and Table Mountain districts, between Oroville and Chico.

At a meeting held in Oroville, backers of the scheme decided to canvass property owners in the district to determine how many would support the project. R. W. Campbell, C. F. Wicks and James Williams will send out letters to all property owners in the district explaining the plans for launching the irrigation district.

## LIGHTING SYSTEMS

STOCKTON, San Joaquin Co., Cal.—The City Council has passed a resolution of intention providing for the installation of electroliers at the intersection of Grant and Market streets and on two corners at Aurora and Market streets, where not already in place.

## MACHINERY.

SAN JOSE, Santa Clara Co., Cal.—The Federal Construction Co., Call Bldg., San Francisco, was the successful bidder before the Board of Supervisors for the purchase of two Kelly-Springfield steam road rollers at $1,500 and $1,600 respectively.

EL SUGUNDO, Los Angeles Co., Cal.—The Buffalo-Springfield Roller Co., 422 E. Third St., Los Angeles, has been awarded a contract by the City Trustees for furnishing and delivering a self-propelled road roller and all accessories. Bids were received as follows:

United Machinery & Supply Co., 795 Brannan St., San Francisco, $1,850.

Austin-Western Road Machinery Co., 120 S. Los Angeles St., Los Angeles, $4,900 and $2,600.

Buffalo-Springfield Roller Co., 422 E. Third St., Los Angeles, $4,250, $4,150 and $1,800.

MONTEREY, Monterey Co., Cal.—Bids received by the City Council, Archie Kay, City Clerk, for furnishing and delivering a street grader have been taken under advisement. Prices ranged from $350 to $521.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

MARTINEZ, Contra Costa Co., Cal.—The Supervisors have rejected the bids of the Cowell Lime & Cement Company and the Pacific Portland Cement Co., for furnishing and delivering cement for use on the county highway system and County Surveyor R. R. Arnold has been instructed to see what price per barrel for the material can be secured in the open market.

SEATTLE, Wash.—The Board of Public Works has awarded a contract to the Willamette Iron & Steel Works of Portland, Oregon, for furnishing and delivering 2000 feet of 78-inch steel pipe to be used in the Cedar Falls Power extension project, the bid being $174 447

The contract for watermains in 24th avenue South and other streets was awarded to Scalzo & Co., 1705 22nd Avenue South, Seattle, at $13,460.05.

MONTEREY, Monterey Co., Cal.—The City Council has instructed the City Engineer to prepare plans for the improvement of portions of Spence and Foam streets and a portion of Tyler street between Franklin and Perry streets.

MARYSVILLE, Yuba Co., Cal.—The Yuba County Chamber of Commerce will co-operate with the Sutter County Chamber in the matter of securing an adequate road and bridge across the Cutter by-pass into reclamation district 1500 in Sutter County.

The two counties agreed to give aid to the road if the reclamation district will build the bridges and approaches to put the road in first class condition. Wm. M. Strief is County Clerk of Yuba County and Albert Brown, Clerk of Sutter County.

VISALIA, Tuare Co., Cal.—Concrete Pipe & Construction Co., Porterville, N. F. Ball, manager, submitted the lowest bid at $65,909.36 for constructing 6 miles of concrete highway between Popular and Woodville involving 5922.4 cu. yds. concrete paving at $8.90 cu. yd. and 13,200 cu. yds. grading at $1 cu. yds. Geo. S. Benson & Sons of Los Angeles, bid $9.30 cu. yd. for concrete paving and $1 cu. yd. for grading.

SANTA CRUZ, Santa Cruz Co., Cal.—The Supervisors at the last meeting received only one bid for the construction of the county highway stretch between Watsonville and Chittenden and returned this to the bidder unopened. Specifications did not furnish sufficient information which hindered others from bidding on the work.

At its next meeting the Board will adopt a standardized set of specifications on which to base a request for bids on the work.

H. H. Miller is County Clerk.

RIVERSIDE, Cal.—R. T. Shea & Co., of Riverside, submitted the only bid at $16,876.25 for paving 1⅞ miles of road on Route 18, Division B, of the county highway in the Indio permanent road division. The bid was considered too high and it was rejected by the Supervisors and the work will be done by day labor. The work will involve 1217.2 cu. yds. excavation; 9391.31 lin. ft. shaping roadbed, and 89,451.79 sq ft. oil macadam 5 in. thick.

GRIDLEY, Butte Co., Cal.—The City Trustees have awarded a contract to the Clark & Henery Construction Co., Ochnser Bldg., Sacramento, for the paving of Sycamore, Virginia and Spruce street, they being low bidders at $165,286.79.

Two other bids were submitted as follows:

Federal Constructoin Co., San Francisco, $176,651.17.

Paul & Sayles, Martinez, $183,569.13.

John Fellman is engineer in charge of the work.

SALINAS, Monterey Co., Cal.—Property owners in North Main street have been granted permission by the City Council to lay cement sidewalks, according to specifications recently adopted.

The Council has adopted a resolution providing for the issue of street improvement bonds for the improving of North Main street.

City Engineer Davies made a report on the storm sewer question, favoring the construction of 25 per cent of the proposed work each year, according to the plans of C. E. Grunsky, who made a preliminary survey some time ago. Davies said that the work should start on Capitol street and that it should be followed by work on Pajaro street. M. R. Keef is City Clerk.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees, C. E. Daley, City Clerk, have adopted plans and specifications providing for the improvement of the Court Street section of the city. This unit includes Las Juntas, Court and Pine streets as far as Susana and the Pacheco boulevard as well as all of the cross streets. Asphaltic concrete base will be used with Warrenite bitulithic surface. Bids for this work will probably be opened about the middle of February.

City Engineer W. S. Farley also submitted tentative outline of work in the Frazer addition. This will include all of the streets in that section of the city west of the Pacheco boulevard and south of Susan street.

FRESNO, Fresno Co., Cal.—The City Council, Chas. A. Dillon, City Clerk, has awarded a contract to E. C. Moran for the construction of artificial stone sidewalks in the west side of College avenue from the N line of Hedge avenue to the S line of Floradora avenue.

LONG BEACH, Los Angeles Co., Cal.—Fred Hoffman, 111 E. Twelfth St., Long Beach, was awarded the contract at $14,021.25 for paving Perris Ave. between Seventeenth St. and Willow St., involving 93,808.32 sq. ft. 4-in. crushed rock and oil paving, his unit price being 15c sq .ft. Other bids received were: P. A. Thomas, $14,821.71, unit price, 15.8c; Fairchild-Gilmore-Wilton Co., $19,699.75, unit price 21c;

Pacific PIPE

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New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

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Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

James L. Fraser, $21,482.11, unit price 22½c.

FRESNO, Fresno Co., Cal.—Bids will be received up to January 19th, 8 P. M., by Chas. Dillon, City Clerk, for the improvement of Wishon avenue from the south side of Van Ness Boulevard to a point 10 feet north of the south line of Block 5, Wishon's North Fresno Tract on the west side of the Fresno Traction Company's track and a point 29 feet north of the south line of Block 4 of Wishon's North Fresno Tract on the east side of the Fresno Traction Company's track by grading; constructing cement concrete curbs and gutters; corrugated iron culverts; culvert manholes, and paving with a 4-inch cement concrete base with a Warrenite bitulithic wearing surface, 1½ inches thick.

Separate bids will be received for the improvement of Merced street from the southwest line of G street to the southwest line of H street, by grading; constructing cement concrete curbs and gutters; corrugated culverts; sidewalks and paving with a 4-inch cement concrete base with a Warrenite bitulithic wearing surface 1½ inches thick.

SACRAMENTO, Cal.—The City Commissioners have awarded a contract to J. W. Terrell, 1111 29th St., Sacramento, for the improvement of San Fernando Way from a point 20 feet south of Y street to the sewer in place in Second avenue, by the construction of an 8-in. vitrified ironstone pipe sewer with 34 6-in. Y branches and 1 6-in. vitrified ironstone flusher branch attached; constructing 2 concrete manholes with cast iron curbs and covers.. M. J. Desmond is City Clerk.

VALLEJO, Solano Co., Cal.,—Thos. F. McGill, 714 Marin St., Vallejo, has been granted permission by the City Council to grade and pave Branciforte street between Louisiana and Alabama streets, under private contract. Alf. E. Edgcumbe is City Clerk.

SANTA BARBARA, Cal.—The Redwood Manufacturing Co., 822 E. Third St., Los Angeles, has been awarded the contract at $10,771.74 for about 2000 feet of continuous stave redwood pipe to be laid from the chlorination tunnel to the surge chamber site at the south portal of Mission tunnel. City Manager Craig has been authorized to buy steel pipe in the open market no bids having been received on a call recently issued.

BRAWLEY, Imperial Co., Cal.—New proceedings will be started for the paving of East and West Main Sts. and portions of E and G Sts. Technical irregularities in the proceedings under which a contract was awarded to David H. Ryan of East San Diego, make this action necessary. New proceedings will be hurried so that the paving may be started in February.

ARCADIA, Los Angeles Co., Cal.—City Engineer O. A. Gierlich has been instructed to prepare plans and specifications for 6-in. pipe lines on California, El Dorado and Genoa Sts. from Second St. to the city limits.

LOS ANGELES, Cal.—Geo. R. Curtis, 2140 E. 26th St., Los Angeles, was awarded the contract at $17,480.42 for paving Norton Ave. between First and Third Sts., involving 68,455 sq. ft. grading at 3½c ft., 68,455 sq. ft. asphalt paving at 18½c ft.; 171 ft. cement curb at 55c ft.; 146 sq. ft. cement sidewalk at 18c ft.; 2400 sq. ft. concrete gutter at 25c ft.; $2 ft. house connection sewers and $700 for storm drain. Other bids received by the Board of Public Works were: Fairchild-Gilmore-Wilton Co., $18,818.55; Los Angeles Paving Co., $21,379.20.

PETALUMA, Sonoma Co., Cal.—Proceedings providing for the permanent improvement of Webster street, where not already improved, have been started by the City Council.

The proposed improvement of Main and Third streets was discussed by the Council at its last session, but no action was taken. The purchase of cement required for the work was also laid over for further consideration. Lyman Green is City Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—Word has been received from the State Highway Commission that plans are being prepared for the completion of the state highway from Glenwood to Los Gatos, the work to be started this Spring.

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors, Henry A. Pfister, County Clerk, have instructed the County Engineer to prepare specifications for graveling Cahalan avenue between Dowling and Walker avenues.

UPLAND, San Bernardino Co., Cal.—Until 7:30 P. M., January 12, bids will be received by City Clerk Chas. P. Fuller for improving Euclid Ave. between Tenth and Twenty-fourth Sts. The east roadway will be paved 30 ft. wide with 4 in. of concrete and the west roadway will be surfaced with ½-in. oil and rock screenings. The work will be done under the Improvement Act of 1911. A contract was previously let for this work to W. C. Cline of Uplands, at $96,465, but an error in the proceedings made it necessary to concel the contract. F. C. Froedhe, City Engineer.

TRACY, San Joaquin Co., Cal.—The improvement of West Fourth street will probably be delayed for some time owing to the protest of the Southern Pacific Company, who owns one-half of the frontage of that thoroughfare and who asks that the work be postponed until the return of the railroads to private ownership.

SEASIDE, Ore.—The City Council has instructed the city engineer to draft plans for the new bulkhead, boardwalks, pier and at the same time bids will be called for the paving of Roosevel drive. The estimated cost of this work will oe close to $250,000.

WOODLAND, Yolo Co., Cal.—A. G. Proctor, City Engineer, at the last meeting of the City Trustees submitted a report on the water supply question which was taken under advisement until the next session.

Engineer Proctor recommended that the old pumps be replaced with turbin or bore-hole pumps, costing approximately $4,400; the construction of a ground reservoir at $9,000, and the raising of the old steel storage tank at the East Woodland plant at a cost of $4,500.

MARTINEZ, Contra Costa Co., Cal.—A campaign to secure $15,000 with which to finance construction of a municipal swimming pool will be started in Martinez within the next few days, according to Judge A. S. Ormsby, Chairman of the Municipal Playground Commission. C. E. Daley is City Clerk.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees, C. E. Daley, City Clerk, have passed a resolution of intention providing for the improvement of portions of Talbart, Main, Escobar, Howard, Castro, Smith and Berrellesa streets and intersections.

VENTURA, Ventura Co., Cal.—Until 11:30 A. M., January 20, bids will be received by Supervisors of Ventura County for improving approximately 8 miles of the Santa Paula-Ojai road, of which 4 miles is to be paved with concrete. The contract will involve 86,000 cu. yds. excavation; 4125 cu. yds. Class A concrete paving; 368 cu. yds. Class B concrete in culverts and bridges and other work. Plans and specifications may be obtained from County Surveyor Chas. Petit. Certified check for 10% required. L. E. Hallowell, Clerk.

SAN DIEGO, Cal.—The City Council has approved plans for paving A St. from Fifth to Eleventh; Ash, Beech and Cedar Sts., from Fifth to Tenth and Seventh and Eighth Sts. from B St. to Balboa Park. A 5-in. concrete pavement will be laid. Estimated cost, $100,000. F. A. Rhodes, City Engineer.

OAKLAND, Cal.—Hutchinson Co., 444 17th St., Oakland, has been awarded a contract by the City Council, L. W. Cummings, City Clerk, for the improvement of Abbey street from the northeast line of Allendale avenue to the southwest line of Penniman avenue by grading, construction of concrete curbs and gutters; concrete sidewalks and paving with an oil-macadam.

VENTURA, Ventura Co., Cal.—Until 11 A. M., January 20, bids will be received by the Supervisors of Ventura County for improving portions of Ventura and Signal Sts., in the town of Ojai, involving approximately 29,000 sq. ft. 4-in. asphaltic pavements. Plans and specifications may be obtained from County Surveyor Chas. Petit. Certified check for 10% required. L. E. Hallowell, Clerk.

NAPA, Napa Co., Cal.—No bids having been received by the County Supervisors for gravel spreading and rolling on a portion of the county highway on the east side of Napa Valley between Yountville and Rutherford, the work was ordered done under the supervision of the County Engineer. Jas. A. Daly is County Clerk.

YUMA, Ariz.—Until 8 P. M., January 20, bids will be received by City Recorder S. F. Stanley for constructing about 13 miles of sanitary sewers, involving 37,760 ft. 4-in. pipe included in 944 house service connections; 10,370 ft. 6-in.; 11,030 ft. 8-in.; 6190 ft. 10-in.; 380 ft. 12-in., 760 ft. 16-in., 700

18-in.; 2580 ft. 20-in. pipe; 52 manholes; 8 flush manholes; one concrete pump house; one sewage pumping unit complete and a concrete outfall sewer. Bids will be taken for both vitrified clay and cement sewer pipe. Plans and specifications may be seen at office of City Engineer F. S. Ingalls. Certified check for $100 required.

FRESNO, Fresno Co., Cal.—The Fresno County Supervisor asre considering the construction of a road which would give easy access to the mountain districts wherein lie the scenic lakes, Shayer, Kerskoff, Huntington and Pine flats. D. M. Barnwell is County Clerk.

SACRAMENTO, Cal.—Street improvements costing $250,000 will be undertaken in this city during the year, 1920. For the improvement of the Y street levee the City Commissioners have provided $26,000.

Among the street improvements will be the paving of Twenty-first street from Y street to Second avenue. From Second avenue the curbs, gutters and sidewalks will be extended to the Western Pacific crossing. X street from Tenth to Twentieth street.

K street from Twenty-first to Twenty-eighth, L from Fifteenth to Twenty-eighth, and Q from Tenth to Twenty-eighth.

When this work is completed all the streets from I to Q, inclusive, will be paved as far as Twenty-eighth street.

SAN FRANCISCO—The Board of Public Works has awarded a contract to the Raisch Improvement Co., 46 Kearny St., for the improvement of Market street from Collingwood to Ord street, the bid being $36,647.

SACRAMENTO, Cal.—The State Highway Commission is preparing plans for the stretch between El Portal and Yosemite National park, a length of about 1.28 miles. The work will be promptly prosecuted by day labor in order that connection may be made with the park road, which is already constructed, so that the public may have the use of the same during the season of 1920.

## FIRE EQUIPMENT

HILLSBOROUGH, San Mateo Co., Cal.—Bids will be received by John A. Hoey, Town Clerk, up to January 20th, 5 P. M., for furnishing and delivering one piece of motor-driven fire apparatus, consisting of booster pump, chemical tank and hose engine, with appurtenances.

Further information may be had from the Town Clerk, who maintains offices at 410 Holbrook Bldg., San Francisco.

# Official Proposals.

### STATE OF CALIFORNIA.

### DEPARTMENT OF ENGINEERING.

### CALIFORNIA HIGHWAY COMMISSION

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on January 10, 1920,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Fresno County, between Oil King School and Huron Road (VI-Fre-10-E), about 12 miles in length to be paved with Portland cement concrete.

Inyo County, between Indian Allotment and Division Creek (VI-Iny-23-A), about 7.5 miles in length to be graded.

Riverside County, between NE Cor. Sec. 6, T. 7 S., R. 8 E., S. B. B. & M., and Somberly Boundary (VIII-Riv-26-G), about 143 miles in length to be paved with Portland cement concrete.

Imperial County, between Gravel Wash and Northerly Boundary (VII-Imp-26-E), about 8.3 miles in length to be paved with Portland cement concrete.

Imperial County, between Tule Wash and Gravel Wash (VII-Imp-26-D), about 6.5 miles in length to be paved with Portland cement concrete.

The last three sections are contiguous to one another and bids for them may be submitted separately or jointly.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
GEO. R. WINSLOW,
1st Ass't Highway Engineer.
WILSON R. ELLIS,
Secretary.

Dated December 22, 1919.

### NOTICE TO CONTRACTORS.

**Klamath River Road (Happy Camp-Somes Bar Section); Salmon River Road (Somes Bar-Humboldt County Line Section).**

SEALED proposals for construction or improving the above named sections of the National Forest Road Projects, located within or partly within the Klamath National Forest, State of California, County of Siskiyou, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Building, San Francisco, California, until 2 o'clock p. m. on the 19th day of January, 1920, at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

Bids will be received on alternate propositions as follows:

Klamath River project 8.8 miles, Salmon River project 0.7 miles, a total of 9.5 miles; and Klamath River project 15.9 miles, Salmon River project 0.7 miles, a total of 16.6 miles.

The principal items of work are approximately as follows:

Clearing and grubbing, 9.5 miles, 500 stations; 16.6 miles, 877 stations.

Excavation, unclassified, 9.5 miles, 130,700 cu. yds.; 16.6 miles, 284,000 cu. yds.

Dry Rubble Masonry, 9.5 miles, 600 cu. yds.; 16.6 miles, 871 cu. yds.

Log Cribbing, 9.5 miles, 970 sq. ft.; 16.6 miles, 4,760 sq. ft.

Timber Bridging, 9.5 miles, 258 lin. ft.; 16.6 miles, 766 lin. ft.

Corrugated Metal Pipe, 9.5 miles, 2,328 lin. ft.; 16.6 miles, 4,750 lin. ft.

Finishing Earth Road, 9.5 miles, 9.5 miles; 16.6 miles, 16.6 miles.

The work embraced in this contract shall be started within ten days after notice of award has been given the contractor, and shall be completed within 225 weather-working days after starting, for the 9.5 mile alternative, and 450 weather-working days after starting for the 16.6 mile alternative (page 6).

The contract form and the maps, plans, specifications and estimate of quantities may be examined by responsible contractors at the following addresses: 886 Mills Building, San Francisco, Calif. After Jan. 1, 1920, District Ranger, Orleans, Calif.; after Jan. 1, 1920, H. F. Ferrill, Eureka, Cal.

All proposals must be made on forms furnished by the District Engineer, Bureau of Public Roads, and in accordance with instructions forming a part of specifications above referred to.

C. H. SWEETSER,
District Engineer.

### NOTICE TO BIDDERS.

SEPARATE SEALED PROPOSALS will be received at the office of the Board of Trustees of the Modesto High School District of Stanislaus County, California, at the High School Building, Modesto, California, between **7:30 P. M. and 8:30 P. M., January 19th, 1920,** for the General Work of the Science Wing Addition and the Manual Arts Building Addition to the present High School Building, and for the Plumbing for the Cafeteria Wing, the Science Wing Addition, and the Manual Arts Building Addition to the present High School Building. Bids will be opened at the end of the latter hour, and publicly announced.

The heating and electrical work are not included in the general work of the Science Wing Addition and the Manual Arts Building Addition, but will be let under separate contracts later.

Plans and specifications for both divisions of the work may be seen at the Office of the Board or at the Office of the Architect, John J. Donovan, 414 13th Street, Oakland, California. A deposit of $20.00 will be required as a guarantee of the return of the plans and specifications taken from either office and will be refunded to the Contractor when the plans and specifications are returned in good condition.

Bidders will take special notice that under no circumstances will proposals be received after the hour specified in this advertisement.

Accompanying each proposal shall be a statement stating the maximum number of working days the bidder will agree to fully complete the work of this contract. Time is the essence of the contract and the least maximum time stated to complete the work by bidders will receive full consideration by the Board of Trustees in awarding the contract.

In awarding the contract, bidders shall understand that it will be necessary to file two bonds with the contract: One, to the extent of 50 per cent of the amount of the contract for faithful performance of the work; the other, for 50 per cent of the amount of the contract called a lien bond for labor and material. The form of all bonds shall comply with the State Laws governing same and is subject to the approval of the district attorney.

Proposals shall be delivered to Kathleen G. Prewett, Clerk of Board of Trustees, High School District, Modesto, California, enclosed in an opaque, sealed envelope addressed to the Board of Trustees, Modesto High School District of Stanislaus County, California. Place on the envelope the name of the bidder, and the words: "Bid on General Work For High School Additions."

A certified check of 10 per cent of the amount of the proposal, payable to the High School District of Stanislaus County, California, must accompany each proposal. Should a bidder fail to obtain a bond and sign a contract for the amount of his proposal, his check will be forfeited. All checks will be returned to the bidders on application at the office of the Clerk of the Board after the contract has been signed and bond furnished by the Contractor whose bid has been accepted.

The competency and responsibility of bidders will be considered in making the award. The Board of Trustees reserves the right to reject any or all bids.

Dated this 2nd day of January, 1920.

KATHLEEN G. PREWETT,
Clerk, Board of Trustees of the Modesto High School District. (tf)

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| | | | |
|---|---|---|---|
| 22 | Baker | Demarais | 3750 |
| 24 | Lurie | Barrett | 12000 |
| 25 | S. F. Ball Club | Bateman | 7000 |
| 26 | Knox | Fink | 1500 |
| 27 | Moller | Owner | 750 |
| 28 | Rossier | Owner | 18000 |
| 29 | Gildea | Owner | 700 |
| 30 | Morris | Owner | 500 |
| 31 | Schleef | Owner | 3000 |
| 32 | Schmidt | Drake | 500 |
| 33 | Coffey | Lawson | 900 |
| 34 | Hill | Hill | 50000 |
| 35 | Madison | Vogt | 22750 |
| 36 | Sweeney | Owner | 2800 |
| 37 | Skaller | Owner | 7500 |
| 38 | McDonough | Owner | 300 |
| 39 | Agnew | Owner | 500 |
| 40 | Dimmer | Owner | 1000 |
| 41 | Bass | Foundation | 1500 |
| 42 | Scully | Drake | 500 |
| 43 | St. Francis Hspt | Petersen | 39231 |
| 44 | Same | Same | 17124 |
| 45 | Same | Mission Conc. | 91000 |
| 46 | Same | Coburn | 71250 |
| 47 | Same | Lawson | 8750 |
| 48 | Same | Gordon | 9100 |
| 49 | Same | Monarch | 3650 |
| 50 | Same | Guilfoy | 2500 |
| 51 | Butt | Capell | 1760 |
| 52 | R. C. Asylum | Knittle | 1144 |
| 53 | United Cigar | Ellingson | 4250 |
| 54 | Stoff | Owner | 10000 |
| 56 | Anderson | Owner | 6000 |
| 57 | O'Neill | Martin | 900 |
| 58 | Levy | Fulton | 800 |
| 59 | McCarthy | Arnott | 2630 |
| 60 | Loustau | Loustau | 2866 |
| 61 | Sullivan | Smith | 1615 |
| 62 | Cohen | Todhunter | 500 |
| 63 | Cramer | Owner | 500 |
| 64 | Zellerbach | Hoin | 3000 |
| 65 | Smooke | Owner | 950 |
| 66 | Costello | Owner | 8000 |
| 67 | Schulz | Owner | 985 |
| 68 | Bass | Foundation | 3600 |
| 69 | Pacific Forge | Gompertz | 960 |
| 70 | Marron | McSheehy | 2900 |
| 71 | Parkside | Standard | 6600 |
| 72 | Power | McSheehy | 22500 |
| 73 | Hill | Wegner | 14062 |
| 74 | Same | Carlin | 3000 |
| 75 | Same | Lyden | 8210 |
| 76 | Same | Anderson | 7146 |
| 77 | Same | Zelinsky | 2650 |
| 78 | Renalda | Montgomery | 600 |
| 79 | Rosenthal | Britt | 2000 |
| 80 | O'Brien | Owner | 25000 |
| 81 | Wahlgreen | Plummer | 12500 |
| 82 | Madison | Vogt | 21433 |

#### PERMITS.

DWELLING
(22) S BRYANT 80 E Gilbert. Two-story and basement frame dwelling.
Owner—Mrs. Susannah Baker, 871 Bryant, San Francisco.
Architect—None.
Contractor—W. B. Demarais, 732 Page, San Francisco.
COST, $3750

ALTERATION
(23) NE BAKER and McAllister. Alter present building into apartments.
Owner—Owen McHugh, 710 Baker, San Francisco.
Architect—None.
Contractor—Jack Wrenn, Fillmore Hotel, San Francisco.
COST, $2500

GARAGE
(24) NE COLUMBIA SQUARE and Harrison. One-story concrete garage.
Owner—Louis R. Lorie, Mills Bldg., San Francisco.
Architect—Ward & Blohme, 454 California, San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, $12,000

ALTERATIONS
(25) NW FIFTEENTH and Valencia. Extensions to grand stands.
Owner—S. F. Base Ball Club, Prem.
Architect—None.
Contractor and Superintendent—J. C. Bateman, Premises.
COST, $7000

REMODEL
(26) NO. 51 GRANT AVE. Remodel show window remove dividing partition and erect stairway.
Owner—The Knox Shop, Premises.
Architect—None.
Contractor—The Fink & Schindler Co., 228 13th, San Francisco.
COST, $1500

ALTERATIONS
(27) SE MISSION and 25th. Alteration on store front.
Owner—R. W. Zoller, 614 Call Bldg., San Francisco.
Architect—None.
Day's work.
COST, $750

STORE
(28) E MISSION 125 S 18th. One-story brick store.
Owner—Lotta P. Rossier, 1775 Golden Gate Ave., San Francisco.
Architect—Weeks & Day, Phelan Bldg., San Francisco.
COST, $18,000

DWELLING
(29) N SOUTH PARK 99 E 3rd. One-story and basement frame dwelling.
Owner—Peter J. Gildea, 165 South Park, San Francisco.
Architect—None.
COST, $700

DWELLING
(30) W TWELFTH AVE. 250 N Fulton. One-story and basement frame dwelling.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work.
COST, $5000

ALTERATIONS
(31) NE LAKE AND SEVENTEENTH Ave. Remodel residence into two flats.
Owner—Mrs. Schleef, Premises.
Architect—None.
Day's work.
COST, $3000

ALTERATIONS
(32) NE BRYANT AND SECOND. Underpin with brick north wall of present building.
Owner—Schmidt Lithograph Co.
Constr. Manager—Frederick Whitton, Exchange Blk., San Francisco.
Contractor—H. E. Drake, 180 Jessie, San Francisco.
COST, $500

ALTERATIONS
(33) S BUSH 80 E Powell. Underpin north wall of present building and sidewalk.
Owner—Mr. Coffey.
Architect—A. Coffey, Humboldt Bank Bldg., San Francisco.
Contractor—A. W. Lawson, 180 Jessie, San Francisco.
COST, $900

RESIDENCE
(34) SE BROADWAY AND WEBSTER. Three-story and basement frame residence.
Owner—Harry Hill, 2550 Webster St., San Francisco.
Architect—Kenneth MacDonald, 234 Pine St., San Francisco.
COST, $50,000

BRICK STORES
(35) SW HARRISON AND LANGTON Two-story brick stores.
Owner—James Madison, 112 Market St., San Francisco.
Architect—Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.
COST, $22,750

#### PERMITS.

STORE, ETC
(36) E MISSION 75 S Genoa. One-story frame store and living rooms.
Owner—T. Sweeney, 130 Pope, San Francisco.
Architect—L. J. Montgomery, 181 29th, San Francisco.
COST, $2800

STORES
(37) W MISSION 116 N 23rd. Two-story and basement frame stores.
Owner—Skaller Realty and Trading Co., Phelan Bldg., San Francisco.
Architect—O'Brien Bros., 240 Montgomery, San Francisco.
COST, $7500

DWELLING
(38) NW HOMESTEAD and 25th. One and one-half story and basement frame dwelling.
Owner—McDonough & Costello, 90 St. Mary's Ave., San Francisco.
Architect—None.
Day's work.
COST, $3000

ALTERATIONS
(39) NO.901 GEARY. Install partitions and change store front.
Owner—A. H. Agnew, Premises.
Architect—None.
COST, $500

ALTERATION
(40) NO. 1715 POLK. Alter store interior.
Owner—Dimmer Hardware Co., 1605 Polk, San Francisco.
Architect—None.
COST, $1000

PLATFORM
(41) KANSAS bt. 23rd and 24th. Erect wood platform.
Owner—Bass-Heuter Paint Co., 24th Kansas, San Francisco.
Architect—None.
Contractor—The Foundation Co., 421 Holbrook Bldg., San Francisco.
COST, $1500

UNDERPIN
(42) E VAN NESS AVE., 90 N Turk. Underpin rear wall of building.
Owner—J. C. and I. W. Scully.
Architect—Mathew O'Brien, Foxcroft Bldg., San Francisco.
Contractor—H. T. Drake, 180 Jessie, San Francisco.
COST, $500

#### RECORDED.

ADDITION
(43) NE BUSH AND HYDE E 195 N 137-6 W 57-6 N 10 W 137-6 S 147-6. Sewering, plumbing, gas and fitting for addition to hospital building.
Owner—St. Francis Hospital Co., Prem
Architect—Alfred J. Coffey, Humboldt Bank Bldg., San Francisco.
Contractor—C. Petersen Co., 730 Larkin St., San Francisco
Filed Jan. 6, '20. Dated Dec. 16, '19.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $39,231
Bond, none. Limit, 100 days. Forfeit, $50. Plans and specifications filed.

(44) HIGH AND LOW PRESSURE steam work, radiators, etc. on above.
Contractor—C. Petersen Co., 730 Larkin St., San Francisco
Filed Jan. 6, '20. Dated Dec. 16, '19.
Payments same as above.....
COST, $17,124
Bond, none. Limit, 100 days. Forfeit, $50. Plans and specifications filed.

(45) CONCRETE WORK, STEEL REinforcing on above.
Contractor—Mission Concrete Co., 180 Jessie St., San Francisco.
Filed Jan. 6, '20. Dated Nov. 25, '19.
Payments same as above.....
TOTAL COST, $91,000
Bond, $45,500. Sureties, John Cassaretto J. S. Guerin and Edwin T. Peterson. Limit, 100 days. Forfeit, $50. Plans and specifications filed.

(46) CARPENTER, MILL, HARD

wood, roofing and glazing on above.
Contractor—Ira W. Coburn, 180 Jessie St., San Francisco.
Filed Jan. 6, '19. Dated Dec. 12, '19.
Payments same as above.....
TOTAL COST, $71,250
Bond, $35,625. Sureties, V. Fassio and Jas. Cantley. Limit, 125 days. Forfeit, $50. Plans and specifications filed.

(47) BRICK WORK, TERRA COTTA, etc., on above.
Contractor—A. W. Lawson, 180 Jessie St., San Francisco.
Filed Jan. 6, '20. Dated Dec. 1, '19.
Payments same as above.....
TOTAL COST, $8750
Bond, $4375. Sureties, Maurice Dillon and D. J. Sullivan. Limit, 75 days. Forfeit, $25. Plans and specifications filed.

(48) PAINTING, VARNISHING, ENameling, etc., on above.
Contractor—C. E. Gordon, 1612 10th Ave., San Francisco.
Filed Jan. 6, '20. Dated Dec. 1, '19.
Payments same as above.....
TOTAL COST, $9100
Bond, $4750. Sureties, Harrison Barto and S. E. Rhodes. Limit, 120 days. Forfeit, $50. Plans and specifications filed.

(49) FIRE ESCAPES, ELEVATOR sills, post and rails for inside stairs on above.
Contractor—Monarch Iron Works, 1159 Howard St., San Francisco.
Filed Jan. 6, '20. Dated Dec. 1, '19.
Payments same as above.....
TOTAL COST, $3650
Bond, $1825. Surety, New Amsterdam Casualty Co. Limit, 50 days. Forfeit, $25. Plans and specifications filed.

(50) GALVANIZED IRON, SKY lights, vents, etc., on above.
Contractor—Guilfoy Cornice Wks., 269 Potrero Ave., San Francisco.
Filed Jan. 6, '20. Dated Dec. 1, '19.
Payments same as above.....
TOTAL COST, $2500
Bond, $1250. Sureties, Jas. Guilfoy and Howard C. Castle. Limit, 60 days. Forfeit, $20. Plans and specifications filed.

ALTERATIONS
(51) SW TWENTY-FOURTH AVE & Clement. All work for alterations to store.
Owner—Peter W. Butt, 2239 Clement St., San Francisco.
Architect—None.
Contractor—Oliver Capell and Henry C. Rogers, 876 31st Ave., S. F.
Filed Jan. 6, '20. Dated Dec. 19, '19.
Front ready for marble.....$440
Inside partitions up and concrete finished ..... 440
Completed and accepted..... 440
Usual 35 days..... 440
TOTAL COST, $1760
Bond, none. Limit, 45 days after Jan. 1, 1920. Forfeit, plans and specifications, none.

STEAM POWER BOILER
(52) N THORNTON 125-2 W Flora W 1271 NW 845 NE 545 NW 415 NE 227-8¼ NE 154-0¼ NE 509-4 SE 46 SE 50 S 53 deg 53 min NE 100 SE 125 SW 236-1 SE 457-7⅝ SE 103-3⅞ SE 735-7⅝ — 13 deg 5 min W 151-2⅞ SE 143-3 SW 759-6 SE 242-4¼ SW 199-5¾ Ptn Bernal Ranch. All work for one steam power boiler for asylum building.
Owner—The Roman Catholic Orphan Asylum of San Francisco.
Architect—Chas. J. I. Devlin, Pacific Bldg., San Francisco.
Contractor—Knittle Cashel Co., 1820 Ellis St., San Francisco.
Filed Jan. 6, '20. Dated Jan. 3, '20.
Completed and accepted.....$858
Usual 35 days..... 286
TOTAL COST, $1144
Bond, $600. Sureties, John L. Knittle and W. D. Cashel. Limit, 20 days. Forfeit, $10. Plans and specifications filed.

**PERMITS.**

REPAIRS
(53) NO. 755 CHENERY. Repair fire damage to dwelling.
Owner—E. Vittori, 803 Cortland Ave., San Francisco.
Architect—None.
COST, $500

ALTERATION
(53) SW ELLIS and Powell. Plaster partitions,, new fronts for three stores.
Owner—United Cigar Stores Co., 555 Howard, San Francisco.
Architect—C. E. Jones, 555 Howard, San Francisco.
Contractor—E. Ellingson, 110 Jessie, San Francisco.
COST, $1250

SHOP
(54) W POLK 60 S O'Farrell. One-story brick machine shop.
Owner—L. D. Stoff, 845 Hyde, San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
COST, $10,000

**PERMITS.**

FLATS
(55) NE ANZA AND TWENTY-third. Two-story and basement frame (4) flats.
Owner—Hilding Anderson, 1858 Fell, San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
COST, $10,000

FLATS
(56) E TWENTY-THIRD AVE., 75 N Anza. Two-story and basement frame flats.
Owner—Hilding Anderson, 1858 Fell, San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
COST, $6,000

STORE FRONT
(57) SW STEVENSON AND SIXTH. New store front.
Owner—O'Neill & Lally, 34 6th, San San Francisco.
Architect—None.
Contractor—W. Martin, 110 Jessie, San Francisco.
COST, $900

ALTERATION
(58) NO. 200 WASHINGTON. Install skylight and build office.
Owner—Levy-Zentner Co., Premises.
Architect—None.
Contractor—G. M. Fulton Co., 301 Front, San Francisco.
COST, $800

COTTAGE
(59) LOT 3 BLK "C" Lakeview. All work for one four-room and partly finished attic cottage.
Owner—The McCarthy Co. (a corp.), 316 Bush St., San Francisco.
Architect—None.
Contractor—James Arnott & Son, 2223 19th Ave., San Francisco.
Filed Jan. 8, '20. Dated Dec. 2, '19.
30 days after frame up..... 25%
30 days after brown coated.. 25%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, $2630
Bond, none. Limit, 90 days. Forfeit, $1 per week. Plans only filed.

**RECORDED.**

ALTERATIONS
(60) No. 3654 SACRAMENTO. All work for alterations and additions to building.
Owner—L. Loustan, Premises.
Architect—Fabre & Thayer, 110 Sutter St., San Francisco.
Contractor—A. Loustan, 2885 Bush St., San Francisco.
Filed Jan. 8, '20. Dated Jan. 2, '20.
Roofing on .....$1073
Completed and accepted..... 1073
Usual 35 days..... 720
TOTAL COST, $2866
Bond, none. Limit, none. Forfeit, $30. Plans and specifications filed.

RESIDENCE
(61) N MARKET ST. Extension 37-8 SE Mono; No. 229 Falcon Ave. Ptn Lot 3 Blk 10, Market St. Hd. Ass'n. Moving, raising, foundations, new basement, grading, steps, etc., for one-story and basement frame residence.
Owner—Jeremiah and Nora Sullivan, 229 Falcon Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine, San Francisco.
Contractor—Herbert W. Smith, 777 Corbett Ave., San Francisco.
Filed Jan. 8, '20. Dated Dec. 26, '19.
Building moved and basement fully enclosed .....$807
Completed and accepted..... 808
TOTAL COST, $1615
Bond, $880. Sureties, Mary L. Smith and H. G. Knowton. Limit, 40 days. Forfeit, none. Plans and specifications filed.
Permit reported January 2, 1920, No. 2.

**PERMITS.**

ADDITIONS
(62) NO. 2037 FIFTEENTH. Minor additions for residence.
Owner—B. Cohen, Premises.
Architect—None.
Contractor—Geo. C. Todhunter, 442 29th Ave., San Francisco.
COST, $500

ALTERATION
(63) NO. 1731 GOLDEN GATE AVE. Alter for 3-room cottage.
Owner—J. M. Cramer, 1732 Golden Gate Ave., San Francisco.
Architect—None.
COST, $500

REPAIRS
(64) N GEARY 107-6 W First Ave. General repairs for present Bldg.
Owner—Zellerbach-Levison Co., 1540 California, San Francisco.
Architect—Jos. W. Rowell, 511 Claus Spreckels Bldg., San Francisco.
Contractor—Theo. Hoin, 1739 Washington, San Francisco.
COST, $3000

TANK HOUSE
(65) E MINNESOTA 200 S 23rd. One-story frame tank house.
Owner—J. Smooke, Premises.
Architect—None.
COST, $950

DWELLINGS
(66) S NEY 9-9, 29-9, 59-9 and 84-6 E Mission. Four one-story and basement frame dwellings.
Owner—Costello Bros., 1567 Alabama, San Francisco.
Architect—None.
Day's work. COST, $2000 each.

ALTERATION
(67) NE PAGE AND STANYAN. Alter restaurant into two three-room apartments.
Owner—Henry Schulz, Premises.
Architect—L. M. Wiseman, 1955 Market, San Francisco.
Day's work. COST, $985

REPAIRS
(68) W RHODE ISLAND 133-4 N 24th. General repairs and additions for receiving plant.
Owner—Bass-Hueter Paint Co., 24th and Kansas, San Francisco.
Architect—None.
Contractor—The Foundation Co., Holbrook Bldg. San Francisco.
COST, $3,600

BRICK WALLS, ETC.
(69) NO. 224 SPEAR. Erect brick walls and mezzanine floor.
Owner—Pacific Block & Forging Co., Premises.
Architect—None.
Contractor—Chas. W. Gempertz, 110 Jessie, San Francisco.
COST, $960

ALTERATION
(70) SE JESSIE AND SIXTH. Lay maple floor and alter for dance hall.
Owner—Edward Marron, 2258 Bush, San Francisco.
Architect—None.
Contractor—Jas. McSheehy, 1147 Dolores, San Francisco.
COST, $2900

DWELLINGS
(71) W THIRTY-THIRD AVE., 200 and 175 N Cliff. Two one-story and basement frame dwellings.
Owner—Parkside Realty Co., of San Francisco, 111 Crocker Bldg., San Francisco.
Architect—None.
Contractor—Standard Construction Co., 1390 9th Ave., San Francisco.
COST, $3300 each.

**RECORDED.**

BRICK STORES
(72) N TURK 96 E Van Ness Ave E 63-5 N 137-6 W 20-3⅞ N 1-1 W 14-10⅛ N 16-2¼ W 1-3 N 1-6 W 23 S 88-6 W 4 S 68 m or l. All work for one-story brick building (stores.)
Owner—Power Rubber Co., Premises.
Plans by Contractor.
Contractor—Jas. B. McSheehy, 1147 Dolores St., San Francisco.
Filed Jan. 9, '20. Dated Dec. 20, '19.

Payments not given.....
TOTAL COST, $22,500
Bond, limit, forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today.

WOODWORK
(73) SE BROADWAY AND WEBSTER. All work for woodwork except hardwood floors for 3-story brick veneer and plastered residence with basement and garag.
Owner—Harry Hill, 2550 Webster, San Francisco.
Architect—Kenneth Macdonald, Jr., 234 Pine, San Francisco.
Contractor—Wegner & Blob, 593 Market, San Francisco.
Filed Jan. 9, '20. Dated Dec. 30, '19. No payments given.
TOTAL COST, $14,062
Bond, Sureties, Forfeit, Limit, none. No plans or specifications filed.
NOTE: Permit reported Jan. 6, 1920. No. 34.

EXCAVATING
(74) EXCAVATING ON ABOVE.
Contractor—The Carlin Grading Co. (Farrar & Carlin, co-partners), 110 Jessie, San Francisco.
Filed Jan. 9, '20. Dated Dec. 31, '19.
On completion ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $3000
Bond, Sureties, Forfeit, none. Limit, 30 days. No plans or specifications filed.

PLASTERING
(75) PLASTERING ON ABOVE, with exception of ornament around front door.
Contractor—Lyden & Bickel, 269 Fell, San Francisco.
Filed Jan. 9, '20. Dated Dec. 27, '19.
First of each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $8210
Bond, Sureties, Forfeit, none. Limit, 45 days after notification. No plans or specifications filed.

MILL WORK
(76) MILL WORK ON ABOVE.
Contractor—Anderson Bros. Planing Mill & Mfg. Co., 2399 Powell, San Francisco.
Filed Jan. 9, '20. Dated Dec. 23, '19.
Every 30 days ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $7146
Bond, Sureties, Forfeit, Limit, none. No plans or specifications filed.

PAINTING.
(77) PAINTING WORK ON ABOVE.
Contractor—D. Zelinsky & Sons, Inc., 422 Turk, San Francisco.
Filed Jan. 9, '20. Dated Dec. 19, '19.
Monthly ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $2350
Bond, Sureties, Forfeit, none. Limit, 25 days after notification. No plans or specifications filed.

FRAME GARAGE
(78) ADJOINING NO. 71 BERNARD. One-story frame garage.
Owner—A. Renalda, 71 Bernard St., San Francisco.
Architect—None.
Contractor—E. J. Montgomery, 1320 Broadway, San Francisco.
COST, $600

ALTERATIONS
(79) NO. 120 ELEVENTH. After for storage room.
Owner—J. Rosenthal, 49 Battery St., San Francisco.
Architect—None.
Contractor—O. W. Britt, 1115 Scott St., San Francisco.
COST, $2000

ADDITION
(80) NW PINE & FRONT. Add two stories to Class "C" building.
Owner—A. L. O'Brien, 240 Montgomery St., San Francisco.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Day's work. COST, $25,000

DECORATIONS
(81) EXPOSITION AUDITORIUM, Civic Center. All work for decorations for Pacific Auto Show.
Owner—G. A. Wahlgreen, Chronicle Bldg., San Francisco.
Architect—Ward & Blohme, 454 California St., San Francisco.
Contractor—W. A. Plummer Mfg. Co., 37 Front St., San Francisco.
Filed Jan. 10, '20. Dated Jan. 7, '20.
Materials ready for erection. $4687.50
Completed and accepted..... 4687.50
30 days after..... 3125.00
TOTAL COST, $12,500.00
Bond, none. Limit, Feb. 21, 1920. Forfeit, none. Plans and specifications filed

CLASS "C" STORE BLDG.
(82) SE HARRISON 75 SW Langton SE 100 NE 75 SE 100 NE 75. Removal of old work, excavation, concrete work, brick work, carpentry and mill work, roofing, sheet metal work, stairs, glazing, rough and trimming hardware and finishing, but not including plumbing, wiring or painting for two-story Class "C" store building.
Owner—James Madison, 112 Market St., San Francisco.
Architect—Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Alfred H Vogt, 185 Stevenson St., San Francisco.
Filed Jan. 10, '20. Dated Jan. 5, '20.
2nd story joists in place.....$8000
Completed and accepted..... 8074
Usual 35 days..... 5359
TOTAL COST, $21,433
Bond, $10,717. Sureties, Emil Hogberg and C. S. Hoffman. Limit, 35 days. Forfeit, $20. Plans and specifications filed.
Permit reported Jan. 6, 1920, No. 35.

## COMPLETION NOTICES

### San Francisco County

Jan. 3, 1920—N TWENTY-FIFTH 25 W Homestead W 50xN 85. McDonough & Costello to McDonough & Costello.....Jan. 2, 1920
Jan. 3, 1920—W FLORIDA 102-6 S Army S 25xW 100. P A Zwissig to McDonough & Costello...Jan. 2, 1920
Jan. 2, 1920—SE HOWARD 45-10 NE Main SE 137-6xSW 45-10. Paynes Belt Works to Healy Tibbitts Construction Co.....Jan. 2, 1920
Jan. 6, 1920—SW SAN BRUNO AVE 109 NW Burrows N W25xSW 120; Ptn Lot 3 Blk 3, Univ. Md. Harry Eidelstein to Harry Abrahams.....Jan. 5, 1920
Jan. 6, 1920—E TWENTY-SECOND Ave 50 S Anza S 25xE 57-6. Frederick Huelter to David Leigh.....Jan. 3, 1920
Jan. 6, 1920—SE TWENTY-SECOND Ave and Anza S 25xE 57-6. Gustave Moeller to David Leigh.....Jan. 3, 1920
Jan. 6, 1920—E TWENTY-SECOND Ave 25 S Anza S 25xE 57-6. David Leigh to whom it may concern.....Jan. 3, 1920
Jan. 6, 1920—LOT 7 and S half Blk 6, Blk 3106, Westwood Park. Elise P. Briden to H. J. Hansen.....Nov. 12, 1919
Jan. 6, 1920—SE O'FARRELL AND Van Ness Ave S 60xE 109. A Steinberger to Thos A Cavanagh.....Jan. 5, 1920
Jan. 6, 1920—S GREEN 68-9 E Fillmore E 35-9x137-6. Mary E Keneally to whom it may concern.....Jan. 5, 1920
Jan. 6, 1920—W TWENTY-SECOND Ave 25 S Anza S 25xE 57-6. Gustave Moeller to David Leigh...Jan. 3, 1920
Jan. 7, 1920—NW MORAGA AND 18th Ave N 90xW 84. Geo E and Nettie H Hart to Louis Johnson.....Jan. 5, 1920
Jan. 8, 1920—LOT 3 BLK 3133 Westwood Park. Hans Nelson to Hans Nelson Bros.....Jan. 6, 1920
Jan. 9, 1920—E STOCKTON 49-6 N Sutter 24x56-9. Heine Piano Co to H L Peterson.....Dec. 30, 1919
Jan. 9, 1920—S TWENTY-FIFTH 280 E Douglass E 40x114. Oscar W Lind to whom it may concern.....Dec. 31, 1919
Jan. 9, 1920—NW LAUREL AND Washington N 82-6xW 100. C J Hillard to H L Petersen; Chas S Amsler (as The Amsler Sheet Metal Works).....Jan. 7, 1920
Jan. 9, 1920—SE TWENTY-SIXTH & Folsom. Cogswell Polytechnic College to Fredk W Snook.Jan. 6, '20
Jan. 9, 1920—NW 145 GUERRERO. Mary's Help Hospital to A H Kunst.....Jan. 9, 1920
Jan. 9, 1920—N PINE 199-6 W Leavenworth. J F Dunn to F L Hansen, Inc.....Jan. 9, 1920

## LIENS FILED.

### San Francisco County.

Jan. 3, 1920—LOT 6 BLK 3197, Westwood Park. Nels P Johnson vs Mary A and John Doe Houston, her husband, Baldwin & Howell, Mortgagee, John Doe and Richard Roe .....$197.98
Jan. 5, 1920—NO. 1142 DOLORES, Duncan and Dolores. C. L. Hastorf vs. Julia M. Hillyard .....$90

## LEASES.

### San Francisco County.

Jan. 5, 1920—NE CLAY and Front N 27-6xE 120. Elsie A. Drexler to William A. Curtis Co.; 5 years; $18,000.
Jan. 5, 1920—NO. 4391 TWENTY-fourth St. Robert Ingenlath to Jno. Weichel; 5 years; $1720.
Jan. 5, 1920—NO. 130 PARK bet. Taylor and Jones. Alexander McCone, executor Alicia McCone, deceased, to E. Barsi and A. Propper, as Barsi & Propper; 2 years; $1200.
Jan. 6, 1920—NO. 3922 TWENTY-SECOND N line 100 W Castro. Wm Barrett to H C McCormick. 2 years, $660
Jan. 6, 1920—NO. 1025 POST. A E and wife Etta Green to Anna Farrisee. 5 years. $30,000.
Jan. 6, 1920—N SUTTER 102-6 E Fillmore; No. 1970. Cavalry Estate Co. to E. and L. Lavezzoli; 3 years; $1440.
Jan. 7, 1920—NE FOURTH and Natoma. Morris and Max Levy to Walter Cline and wife; 5 years; $12,858.
Jan. 8, 1920—NE FULTON & ATALAYA Terrace No. 1850 Fulton. Julia Peters to Hugh L Smith. 17 months. $680.
Jan. 7, 1920—NO. 2524 MISSION W side bet. 21st and 22nd. Lydia W and Homer S Bodley (husb) to Robert A Ginsberg. 5 years. $20,000.
Jan. 9, 1920—NE GOLDEN GATE AND Franklin No. 686 Golden Gate Ave. Stockholm & Allyn Co to Albert C Schmidt. 5 years. $4500.
Jan. 9, 1920—NO. 331 SUTTER. E L Doherty to L Levene. 11 years 6 months. $38,400.
Jan. 9, 1920—W LEAVENWORTH 77-10 N Sutter. George W E and Nicholas W Schneider to Tillie Bauer. 5 years, $36,000.

## NOTICE OF NON-RESPONSIBILITY.

### San Francisco County.

Jan. 8, 1920—N GEARY 137-6 E Mason E 25xN 137-6. The F Chevalier Co as to improvements on leased property.....
Jan. 5, 1920—W MISSION 92 N 23rd N 54xW 125. Mission Lodge Masonic Hall Ass'n, as to improvements on leased property.....

## BUILDING CONTRACTS

### Alameda County

| | | | |
|---|---|---|---|
| 4135 | Trahan | Vaughn | 3500 |
| 23 | Goranson | Owner | 2950 |
| 24 | Gracie | Goranson | 4900 |
| 25 | Hillen | Hillen | 3000 |
| 26 | City of Okd. | Thomsen | 1460 |
| 27 | Bright | Okd Ref. Co. | 1500 |
| 28 | Goranson | Owner | 2950 |
| 29 | Woolsey | Owner | 4000 |
| 30 | Cal. Peanut | Power | 7500 |
| 31 | Same | Same | 8000 |
| 32 | Hillen | Hillen | 3000 |
| 33 | Lakeshore | Strang | 7500 |
| 34 | Noble | Noble | 3000 |
| 35 | Kniese | Bassett | 1450 |
| 36 | McManus | McManus | 1200 |
| 37 | Hutchinson | Corbett | 400 |
| 38 | West | West | 500 |
| 39 | Scarpulla | Perona | 2000 |
| 40 | Newman | Schwalm | 9797 |
| 41 | Jantsen | Owner | 3000 |
| 42 | Engler | Owner | 5000 |
| 43 | Sevente | Owner | 2000 |
| 44 | Corbeisier | Spence | 900 |
| 45 | Safe Rlty | Short | 2900 |

| | | | |
|---|---|---|---|
| 46 | Rogers | Clouser | 1500 |
| 47 | MacGregor | Owner | 4950 |
| 48 | Schroder | Murdock | 950 |
| 49 | Nichols | Nichols | 2000 |
| 50 | Hemstalk | Hemstalk | 2000 |
| 51 | Humphrey | Owner | 10000 |
| 52 | Wallace | Sheridan | 810 |
| 53 | Juderquist | Hoerl | 3500 |
| 54 | Wethern | Owner | 800 |
| 55 | Lloyd | Lloyd | 3000 |
| 56 | Kosdy | Owner | 2000 |
| 57 | Jackson | Jackson | 7500 |
| 58 | Glantz | Owner | 3500 |
| 59 | Breed | Marquis | 4500 |
| 60 | Guile | Pedgrift | 450 |
| 61 | Hotel Claremont | Dawson | 2500 |
| 62 | Baker | Owner | 4900 |
| 63 | Westlund | Owner | 650 |
| 64 | Lamb | Owner | 5000 |
| 65 | Shirk | Scammon | 2000 |
| 66 | Warner | Owner | 3000 |
| 67 | Church | Ahnefeld | 5600 |
| 68 | Lannon | Ahnefeld | 5000 |
| 69 | Dalton | Stanley | 2500 |
| 70 | City of Okd. | Faulkner | 2740 |
| 71 | Same | Same | 2740 |
| 72 | Same | Same | 1370 |
| 73 | Same | Same | 1370 |
| 74 | Same | Same | 1370 |
| 75 | Same | Same | 4110 |
| 76 | Same | Same | 2740 |
| 77 | Same | Same | 1370 |
| 78 | Same | Same | 1370 |
| 79 | Same | Same | 1370 |
| 80 | Same | Same | 1370 |
| 81 | Gee | Minakata | 1700 |
| 82 | McCarthy | Pratt | 500 |

DWELLING
(23) N EL CENTRO AVE 65 W San Sebastian, Oakland. One-story five-room dwelling.
Owner—H. Goranson, 3435 Peralta Ave., Oakland.
Architect—None.
Day's work. COST. $2950

STORE AND DWELLING
(24) SE HOPKINS AND RHODA AVE Oakland. One-story 7-room store and dwelling.
Owner—A. E. Gracie, Hopkins and Rhoda Ave., Oakland.
Architect—None.
Contractor—H. Goranson, 3435 Peralta Ave., Oakland. COST, $4900

DWELLING
(25) E MAVIS 100 N Trask, Oakland. One-story 5-room frame dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
(26) SIXTY-SECOND AVE & FOOTHILL Blvd., Oakland. Alterations.
Owner—City of Oakland.
Architect—None.
Contractor—John Thomsen, 5831 Occidental St., Oakland. COST, $1460

ICE BOX
(27) NO. 224 SECOND ST., Oakland. Ice box.
Owner—Bright & Miller, Premises.
Architect—None.
Contractor—Oakland Refrigerator Co., 2766 Grove, Oakland. COST, $1500

DWELLING
(28) E SAN SEBASTION 183 N El Centro, Oakland. One-story five-room dwelling.
Owner—H. Goranson, 3435 Peralta Ave., Oakland.
Architect—None.
Day's work. COST, $2950

(29) W SECOND AVE 60 N Boulevard Place, Oakland. Two-story building (2 stores and 7-room apts.)
Owner—J. R. Woolsey, 5677 Ocean View Drive, Oakland.
Architect—None.
Day's work. COST, $4000

ADDITION
(30) N TWENTIETH 100 E San Pablo Ave., Oakland. Three-story brick addition.
Owner—California Peanut Co., 636 20th St., Oakland.
Architect—None.
Contractor—J. J. Power, 771 20th St., Oakland. COST, $7500

ADDITION
(31) N TWENTIETH 100 E San Pablo Ave., Oakland Two-story brick addition.
Owner—California Peanut Co., 630 20th St., Oakland.
Architect—None.
Contractor—J. J. Powers, 774 20th St., Oakland. COST, $8000

DWELLING
(32) N TRASK 80 E Mavis, Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLING
(33) N LONGRIDGE ROAD 100 W Verada Road, Oakland. Two-story 7-room dwelling.
Owner—Lakeshore Highlands Co., Oakland.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda. COST, $7500

DWELLING
(34) SW E-SEVENTEENTH AND 28th Ave., Oakland. One-story five-room dwelling.
Owner—G. H. Noble, 2205 Santa Clara Ave., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLING
(35) E FIFTY-FIFTH AVE 107 S Walnut, Oakland. One-story 3-room dwelling.
Owner—George J. Kniese, 2142 8th Ave Oakland.
Architect—None.
Contractor—E. D. Bassett, 3229 E-11th, Oakland. COST, $1450

ALTERATIONS
(36) NO. 771 NINETEENTH, Oakland. Alterations.
Owner—B. McManus, Premises.
Architect—None.
Day's work. COST, $1200

ALTERATIONS
(37) NO. 524 NINTH, Oakland. Alterations.
Owner—Hutchinson Grocery Co.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin, Oakland. COST, $400

ADDITION
(38) NO. 1702 SIXTY-NINTH AVE., Oakland. Addition.
Owner—Mrs. M. West, Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(39) NO. 423 THIRTEENTH. Oakland Alter store.
Owner—A. Scarpulla, 2956 Telegraph Ave., Oakland.
Architect—None.
Contractor—John Perona, 570 7th, Okd. COST, $2000

FRAME DWELLING
(40) LOT 59 Piedmont Manor, Piedmont. All work for two-story and basement frame dwelling.
Owner—Sam Newman, 915 Washington St., Oakland.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Harry Schwalm, 721 Main St., Hayward.
Filed Jan. 6, '20. Dated Jan. 2, '20.

| | |
|---|---|
| Sheathing on | $1837.05 |
| Brown coated | 1837.05 |
| Interior trim on | 1837.05 |
| Completed and accepted | 1837.05 |
| Usual 35 days | 2449.50 |
| TOTAL COST, | $9797.70 |

Bond, $4898.85. Surety, Globe Indemnity Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.

DWELLING
(41) W BROWNING 180 N Bancroft, Berkeley. One-story 4-room dwlg.
Owner—H. Jantsen, 1014 Allston Way, Berkeley.
Architect—None.
Day's work. COST, $3000

DWELLINGS
(42) W ORDWAY 70 and 35 N Gilman, Berkeley. Two one-story 5-room dwellings.
Owner—Louis Engler, 2435 College Ave Berkeley.
Architect—None.
Day's work. COST, $2500 each

DWELLING
(43) NO. 831 CENTENNIAL AVE., Alameda. One-story 5-room dwelling.
Owner—Louis Sevente, Premises.
Architect—None.
Day's work. COST, $2000

ALTERATIONS
(44) NO. 1423 COTTAGE, Alameda. Alterations.
Owner—F. A. Corbeisier, Premises.
Architect—None.
Contractor—A. T. Spence, 641 Taylor Ave., Alameda. COST, $900

DWELLING
(45) N DELAWARE 200 W Maple Ave., Oakland. One-story 5-room dwlg.
Owner—Safe Realty Co., Bacon Bldg., Oakland.
Architect—None.
Contractor—C. W. Short, 245 Acton Place, Oakland. COST, $2900

DWELLING
(46) NW NINETY-FOURTH AVE & Burr, Oakland. One-story 3-room dwelling.
Owner—Mrs. M. E. Rogers, 2124 90th Ave., Oakland.
Architect—None.
Contractor—P. D. Clouser, 922 21st St., Oakland. COST, $1500

DWELLING
(47) E LAKESHORE AVE 300 N Windsor, Oakland. Two-story seven room dwelling.
Owner—C. M. MacGregor, 470 13th, Okd
Architect—None.
Day's work. COST, $4950

TANK TOWER
(48) NO. 71 TENTH, Oakland. Steel tank tower.
Owner—Mr. Schroder, Premises.
Architect—None
Contractor—L. W. Murdock, 565 12th, Oakland. COST, $950

DWELLING
(49) E EIGHTH 220 N Allston Way, Berkeley. One-story 5-room dwlg.
Owner—Chester S. Nichols, 6008 Foothill Blvd., Oakland.
Architect—None.
Day's work. COST, $2000

DWELLING
(50) E CALIFORNIA 150 S Ward, Berkeley. One-story 5-room tile dwelling.
Owner—C. H. Hemstalk, 2204 Roosevelt Ave., Berkeley.
Architect—None.
Day's work. COST, $2000

DWELLING
(51) NO. 2927 GARBER, Berkeley. Two-story 12-room dwelling and garage.
Owner—A. S. Humphrey Co.
Architect—Henry Gutterson, 278 Post, San Francisco.
Day's work. COST, $10,000

REPAIRS
(52) NOS. 914-916 KIRKHAM, Oakland Fire repairs.
Owner—T. L. Wallace, Premises.
Architect—None.
Contractor—Robt. E. Sheridan Co., 351 11th, Oakland. COST, $810

(53) W FOURTEENTH AVE 400 S Park Blvd., Oakland. One-story 6-room dwelling.
Owner—John E. Juderquist, New York
Architect—None.
Contractor—J. E. Hoerl, Oakland. COST, $3500

ALTERATIONS
(54) NO. 1522 SEVENTH AVE., Oakland. Alterations.
Owner—G. H. Wethern, 907 Clay, Okd.
Architect—None.
Contractor—H. G. Wethern, Premises. COST, $800

DWELLING
(55) SW THIRTY-EIGHTH AVE AND Santa Rita, Oakland. One-story 5-room dwelling.
Owner—W. F. Lloyd, 3720 Foothill Blvd., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLING
(56) W TWENTY-FIFTH AVE 100 S E-28th, Oakland. One-story 5-room dwelling.
Owner—Wm. E. Kosdy, 3010 Dakota, Oakland.
Architect—None.
Day's work. COST, $2000

DWELLING
(57) LOT 23 BLK "D" Lakewood Park, Piedmont. Two-story frame dwelling.
Owner—Mrs. S. G. Jackson.
Architect—None.
Contractor—S. G. Jackson. COST, $7500

FRAME DWELLING
(58) "THE OAKS," Piedmont. One-story frame dwelling.
Owner—C. W. Glantz, 2640 Harriet St., Oakland.
Architect—None.
Day's work. COST, $3500

FRAME DWELLING
(59) WILDWOOD near Grand Ave., Piedmont. One and one-half-story frame dwelling.
Owner—Breed & Bancroft, 201-5 Oakland Bank of Savings Bldg., Oakland.
Architect—None.
Contractor—E. M. Marquis, 2827 Russell, Berkeley. COST, $4500

ALTERATIONS
(60) NO. 410 BELDVUE AVE., Oakland. Alterations.
Owner—J. J. Guile, Premises.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th, Oakland. COST, $450

ALTERATIONS AND REPAIRS
(61) HOTEL CLAREMONT, Berkeley. Alterations and repairs.
Owner—Hotel Claremont.
Architect—None.
Contractor—J. Dawson, 2121 Durant Ave., Berkeley. COST, $2500

DWELLING
(62) N LERIDA AVE 340 W Walla Vista, Oakland. Two-story 6-room dwelling.
Owner—W. J. Baker, 546 30th, Oakland
Architect—None.
Day's work. COST, $4900

SMOKE HOUSE
(63) NO. 1300 SAN PABLO AVE, Berkeley. Brick smoke house.
Owner—Westlund Packing Co., Prem.
Architect—None.
Day's work. COST, $650

DWELLING AND GARAGE
(64) NO. 817 THE ALAMEDA, Berkeley. One-story 6-room dwelling and garage.
Owner—E. R. Lamh, 1126 Poplar St., Oakland.
Architect—None.
Day's work. COST, $5000

DWELLING
(65) S DELAWARE 150 E McGee, Berkeley. One-story 5-room dwlg.
Owner—D. Shirk, 1719 Hearst Ave., Berkeley.
Architect—None.
Contractor—R. R. Scammon. COST, $2000

DWELLING
(66) W BENVIDES 200 N El Centro, Oakland. One-story, five-room dwelling.
Owner—S. A. Warner, 4606 Brookdale Ave., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLINGS
(67) S FORTY-FIFTH ST. 180 and 220 W West, Oakland. Two one-story, five-room dwellings.
Owner—Robert B. Church, 3101 Harper, Berkeley.
Architect—None.
Contractor—Harry Ahnefeld, 3100 Harper, Berkeley. COST, $2800 each

SHED
(68) E MAGNOLIA 150 S 5th, Oakland. Two-story lumber shed.
Owner—Lannon Bros. Mfg. Co., 367 Magnolia, Oakland.
Architect—None.
Day's work. COST, $5000

DWELLING
(69) W SEVENTY-FOURTH AVE 1000 N E-14th St., Oakland. One-story, five-room dwelling.
Owner—S. E. Dalton, 1257 46th Ave., Oakland.
Architect—None.
Contractor—E. Stanley. COST, $2500

SCHOOLS
(70) NE BOSTON AVE. AND SCHOOL St., Oakland. Two one-story, one-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370 each

SCHOOLS
(71) SW EIGHTEENTH AND WEST Sts., Oakland. Two one-story, one-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370 each

SCHOOL
(72) SW FORTY-EIGHTH AND Webster, Oakland. One-story, one-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370

SCHOOL
(73) FIFTY-FIFTH AVE. AND Congress St., Oakland. One-story, one-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370

SCHOOLS
(74) SW FRUITVALE AVE. AND Tallant St., Oakland. Two one-story, one-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370 each

SCHOOLS
(75) SE FORTY-NINTH AND SHAFTER Ave., Oakland. Three one-story one-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370 each

(76) NW THIRTY-EIGHTH AND Penniman Ave., Oakland. Two one-story, one-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370 each

SCHOOL
(77) THOMAS AND PROSPECT STS., Oakland. One-story, one-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370

SCHOOL
(78) NE TENTH AND ALICE, Oakland. One-story, one-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370

SCHOOL
(79) SE THIRTY-NINTH AND MARket, Oakland. One-story, one-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370

SCHOOL
(80) NE TWENTY-NINTH AND ELMwood Ave., Oakland. One-story, one-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370

ADDITION
(81) NO. 196 SEVENTH, Oakland. Addition.
Owner—Chan Kin Gee, 507 Webster, Oakland.
Architect—None.
Contractor—K. Minakata, 71 6th, Oakland. COST, $1700

GARAGE
(82) W CURRAN AVE. 100 S Arkansas, Oakland. Garage.
Owner—J. J. McCarthy, 3095 Arkansas, Oakland.
Architect—None.
Contractor—H. S. Pratt, 1015 Glendora, Oakland. COST, $500

## COMPLETION NOTICES

### Alameda County

Jan. 3, 1920.—PTN LOTS 10 AND 11 Blk "G" Map East Piedmont Heights, Okd. Joseph Coward to whom it may concern....Jan. 2, 1920
Jan. 5, 1920—NO. 4166 WEBSTER ST. being E Webster 40 S 42nd St., Okd. G L and Estella Winn to California Builders Co.....Dec. 31, 1919
tral Oakland Tract, Okd. California Builders Co to whom it may concern.....Jan. 2, 1920
Jan. 6, 1920—SE COLLEGE AND Keith Aves, Okd. J J Steiner by F B Anderson to Anderson & Bryant.....Jan. 5, 1920
Jan. 8, 1920—SW WELD 320 SE 69th Ave SE 40xSW 121.51, Oakland. Hermine Heister to Chas A Haws .....Jan. 6, 1920

## LIENS FILED.

### Alameda County

Jan. 7, 1920—N RIDGE ROAD 247-01 W Euclid Ave W 80 th at right Angles 180 E 80xS 140, Bkly. C H Hemstalk vs Robert and Caroline Hunter .....$196.20

## BUILDING CONTRACTS.

### Santa Clara County.

ADDITION
No. 54 N-FOURTH ST., San Jose. Addition to garage.
Owner—Pacific Gas & Electric Co., San Antonio and Second Sts., San Jose.
Architect—None.
Contractor—Morrison Bros., Builders' Exchange, San Jose. COST, $1465

ADDITION
NO. 80 S-MARKET ST., San Jose. Addition to equipment room.
Owner—Pacific Tel. & Tel. Co.
Architect—None.
Day's work. COST, $1300

ALTERATIONS
THE ALAMEDA AND ST MARY ST., San Jose. Alterations.
Owner—B. Kooser.
Architect—None.
Contractor—E. E. Weldon, 7 Hull St., San Jose. COST, $1200

ALTERATIONS
SECOND AND SAN FERNANDO STS., San Jose. Alterations and repairs.
Owner—S. F. Investment Co., 517 California St., San Francisco.
Architect—D. C. Coleman, 20 Montgomery St., San Francisco.
Contractor—O. Monson, 110 Jessie St., San Francisco. COST, $25,000

COTTAGE
PALM HAVEN, San Jose. Five-room cottage.
Owner—L. D. Bohnett, 29 Nortridge St., San Jose.
Architect—None.
Contractor—E. A. Bevrus, 130 Coe St., San Jose. COST, $3600

STORE BUILDING
WILLIAM ST. near First St., San Jose. Brick store building.
Owner—C. L. Meisterhelm.
Architect—C. W. Klinkert, Russ House San Jose.
Contractor—C. W. Klinkert, Russ House, San Jose.
COST, $3500

WAREHOUSE, ETC.
RAIL ROAD from First to Second Sts., San Jose. Concrete warehouse and cold storage plant.
Owner—Security Warehouse & Cold Storage Co., San Jose.
Architect—Jas. T. Ludlow, 604 Mission, San Francisco.
Contractor—Frank Hoyt, 556 N-16th St. San Jose.
COST, $85,000

## BUILDING CONTRACTS.

### Fresno County.

DWELLING
LOTS 13 AND 14 BLK 20, Arlington Heights, Fresno. Dwelling and garage.
Owner—A. J. Johnson, 1305 "I" St., Fresno.
Architect—None.
Day's work COST, $3500

DWELLING
LOT 12, Park Terrace, Fresno. Dwelling and garage.
Owner—Chas. L. Fink, 736 Dudley St., Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S-4th St., Fresno.
COST, $5500

FRAME DWELLING
LOTS 34 AND 35 BLK 4, Fresno Home Addition, Fresno. Frame dwelling.
Owner—Emma S. Bright.
Architect—None.
Contractor—T. J. Bright, 2946 White St., Fresno.
COST, $3500

GARAGE
LOTS 5 & 6 BLK 57, Fresno. Garage.
Owner—Florence Cramer.
Architect—None.
Contractor—H. Cramer, 820 "O" St., Fresno.
COST, $12,000

SCHOOL
CENTERVILLE SCHOOL DISTRICT. All work for one-story concrete school building.
Owner—Board of Grammar School Trustees of Centerville School District, Fresno.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—Barkelew & Gould, 2305 White St., Fresno.
Filed Dec. 29, '19. Dated Dec. 26, '19.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $19,143
Bond, $9572. Surety, National Surety Co. Limit, 130 days. Forfeit, none. Plans and specifications filed

GARAGE
LOTS 5 AND 6 BLK 58, Fresno. Garage.
Owner—Jacob Richter, 701 "I" St., Fresno.
Architect—None.
Contractor—F. J. Stone, 304 Mason Bldg., Fresno.
COST, $11,000

ALTERATIONS
NO 1141 "J" St., Fresno. Install new front.
Owner—Thos. Risley, 204 Cory Bldg., Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S-4th St., Fresno.
COST, $3500

ALTERATIONS
NOS. 1919-23 TULARE ST., Fresno. Alter front.
Owner—Dow & Puckhaber.
Architect—None.
Contractor—E. J. Farr, 245 Forthcamp St., Fresno.
COST, $3000

DWELLING
LOT 3 BLK 29, Alta Vista, Fresno. Dwelling and garage.
Owner—H. H. Smith, Fresno.
Architect—None.
Contractor—J. L. Carter, Fresno.
COST, $5000

DWELLING
LOT 7 BLK 9, Alta Vista Tract, Fresno. Dwelling and garage.
Owner—E. H. Smith, Fresno.
Architect—None.
Contractor—C. E. Buckmaster, 1712 Lewis St., Fresno.
COST, $2500

DWELLING
LOTS 13 AND 14 BLK 1, Markley Vincent Tract, Fresno. Dwelling and garage.
Owner—J. B. Hart, 3667 Grant St., Fresno.
Architect—None.
Day's work. COST, $4500

DWELLING
LOTS 23 AND 24, Temple Park, Fresno Dwelling and garage.
Owner—C. L. Saylor, 3734 Illinois St., Fresno.
Architect—None.
Day's work. COST, $3000

DWELLING
LOTS 1 AND 2 BLK 2, Mattewan Addition, Fresno. Dwelling and garage.
Owner—C. L. Saylor, 3734 Illinois St., Fresno.
Architect—None.
Day's work. COST, $3000

DWELLING
W ½ LOT 22, Burlingame Villa Park, Fresno. Dwelling.
Owner—Lillian McIntyre, Fresno.
Architect—None.
Day's work. COST, $3500

FRAME DWELLING
LOTS 11 AND 12 BLK 16, Fresno. Frame dwelling.
Owner—Julius Candy.
Architect—None.
Day's work. COST, $1200

REPAIRS
NO. 448 "L" ST., Fresno. Repairs.
Owner—Mrs. A. Boettlier.
Architect—None.
Contractor—J. O. Kerrick, 822 "T" St., Fresno. COST, $1090

ALTERATIONS
NO. 935 "J" ST., Fresno. Alterations.
Owner—Kirkman Nusery Co., 2525 Tulare St., Fresno.
Architect—None.
Contractor—R. Pedersen Co., 446 Clark St., Fresno.
COST, $6000

DWELLING
LOTS 23 AND 24, Harris-Eules Sub., Fresno. Frame dwelling and garage.
Owner—Chas. M. McAllister, 417 Fresno Ave., Fresno.
Architect—None.
Day's work. COST, $5500

GARAGE
LOTS 29 AND 30 BLK 167, Fresno. Garage.
Owner—H. H. Holland, 2048 Mariposa St., Fresno.
Architect—None.
Contractor—G. C. Cannon, 2039 Fresno Ave., Fresno.
COST, $1000

DWELLING
LOT 16 BLK 32, Alta Vista Tract, Fresno. Dwelling and garage.
Owner—S. W. Ottinger.
Architect—None.
Day's work. COST, $5000

DWELLING
LOT 7 BLK 7, Villa Homestead Tract, Fresno. Dwelling and garage.
Owner—Dow & Co.
Architect—None.
Contractor—G. C. Cannon, 2039 Fresno, Fresno. COST, $4500

DWELLING
LOT 2 BLK 48, K. B. Heights, Fresno. Frame dwelling and garage.
Owner—K. B. Heights Co.
Architect—None.
Contractor—C. E. Buckmaster, 1712 Lewis St., Fresno.
COST, $7500

DWELLING
NO. 451 CALVERAS AVE., Fresno. Frame dwelling and garage.
Owner—Rilla Seaby.
Architect—None.
Contractor—Yarnell & Garges, 1026 S-Fourth St., Fresno.
COST, $5500

DWELLINGS
LOTS 15 AND 16 BLK 5; Lots 31 and 32, Markley Vincent Tract, Fresno. Two dwellings and garages.
Owner—O. L. Markley, 1212 Van Ness, Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S-Fourth St., Fresno.
COST, $4400 each

DWELLING
LOT 6 BLK 19 Wilson Tract, Fresno. Dwelling and garage.
Owner—A. P. Wilson.
Architect—None.
Contractor—Shorb & Neads, 127 Fresno Ave., Fresno.
COST, $12,500

## COMPLETION NOTICES.

### Fresno County.

Recorded Accepted
Dec. 31, 1919—LOT 40 East Elmhurst, Fresno. J D Shorb to J F Neads... .....Dec. 30, 1919
Jan. 3, 1920—LOTS 3, 4, 5 BLK 8, North Park Terrace, Fresno. Henry S Strattan to whom it may concern.....Dec. 31, 1919
Recorded Accepted
Jan. 8, 1920—OIL WELL NO. 247 Sec. 1,20-15, Fresno. S P Co to whom it may concern.....Jan. 7, 1920

Jan. 7, 1920—LOTS 1 TO 4 BLK 7, F H B P V Tract, Fresno. Fresno Home Builders to whom it may concern.....Jan. 6, 1920

## BUILDING CONTRACTS.

### Sacramento County.

FRAME FLATS
NO. 2830 "J" ST., Sacramento. Two-story (4) 4-room frame flats.
Owner—B. Lagomissino, 1830 59th St., Sacramento.
Architect—None.
Contractro—W. R. Saunders, 2614 "S" St., Sacramento.
COST, $10,500

FRAME FLATS
NO. 2217 "G" ST., Sacramento. Two-story (4) 4-room frame flats.
Owner—N. Boklich, 809 "P" St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 "S" St., Sacramento.
COST, $10,500

FRAME FLATS
NO. 2410 "M" ST., Sacramento. Two-story (4) 4-room frame flats.
Owner—W. R. Saunders, 2614 "S" St., Sacramento.
Architect—None.
Day's work. COST, $10,300

FRAME FLATS
NO. 1428 EIGHTH ST., Sacramento. Two-story (4) 4-room frame flats.
Owner—M. E. Wheeler, 809 "P" St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 "S" St., Sacramento.
COST, $10,500

ALTERATIONS
NO. 1914 "N" ST., Sacramento. Remodel residence.
Owner—A. Anderson, 1910 "N" St., Sacramento.
Architect—None.
Day's work. COST, $1500

ALTERATIONS
NO. 2837 THIRTY-FIFTH ST., Sacramento. Remodel front of garage.
Owner—L. Foster, 3400 4th Ave., Sacramento.
Architect—None.
Contractor—Simmonds & Birdsall, Sacramento. COST, $1000

FRAME RESIDENCE
NO. 2025 BURNETT WAY, Sacramento. One-story 5-room frame residence.

Owner—C. R. Jones, 1010 Dolores Way, Sacramento.
Architect—None.
Day's work. COST, $2600

RESIDENCE, ETC.
NO. 1621 SANTA YNEZ WAY, Sacramento. One-story 6-room residence and garage.
Owner—T. H. Watson, 1103 "O" St., Sacramento.
Architect—None.
Contractor—O. W. Harrison, North Sacramento. COSH, $4500

ADDITION
BUFFALO PARK, E. L. Kripp Avres, Sacramento. Addition to grandstand.
Owner—E. L. Kripp, 601 "K" St., Sacramento.
Architect—None.
Contractor—L. C. Boss, 914 27th St., Sacramento. COST, $9000

APARTMENTS
NO. 601 ELEVENTH ST., Sacramento. Two-story frame apartments (12 2-room apts.)
Owner—W. D. McKay, 3029 "E" St., Sacramento.
Architect—None.
Day's work. COST, $12,000

WAREHOUS
NO. 1814 NINTH ST., Sacramento. One-story iron warehouse.
Owner—Kenyon & Whitman Co., 426 Forum Bldg., Sacramento.
Architect—None.
Day's work. COST, $3000

NO. 1330 "W" ST., Sacramento. One-story 3-room frame residence.
Owner—M. Louts, 321 18th St., Sacramento.
Architect—None.
Contractor—Stout & Porter. COST, $1300

GARAGE
NO. 1220 "K" ST., Sacramento. One-story public garage.
Owner—A. M. Ardery, Reno, Nevada.
Architect—None.
Contractor—Herndon & Finnigan, 1714 16th St., Sacramento. COST, $17,000

DWELLING
NO. 2105 TWENTY-THIRD ST., Sacramento. One-story 5-room dwelling and garage.
Owner—J. M. Welsh, 616 23rd St., Sacramento.
Architect—None.
Contractor—C. Valine, 2417 15th St., Sacramento. COST, $3500

APARTMENTS
NO. 1627 SEVENTEENTH ST., Sacramento. Two-story frame apartments
Owner—W. H. McMorry, 1701 "Q" St., Sacramento.
Architect—None.
Contractor—J. F. Randall. COST, $14,000

FLATS
NO. 2307 "O" ST., Sacramento. Two-story 4-room (4) flats.
Owner—C. E. Brooks, 2300 "O" St., Sacramento.
Architect—None.
Contractor—Birdsall & Simmonds. COST, $14,000

DWELLING
NO. 2208 "D" ST., Sacramento. One-story 5-room dwelling and garage.
Owner—W. H. Stafford, 2217½ "J" St., Sacramento.
Architect—None.
Contractor—C. Valine, 2417 15th St., Sacramento. COST, $3500

## BUILDING CONTRACTS.

### San Joaquin County.

FRAME RESIDENCE
SUTTER AND GEARY STS., Stockton. Frame residence.
Owner—Joseph Manuel, 341 Hampton St., Stockton.
Architect—None.
Day's work. COST, $2000

FRAME DWELLING
N-EAST ST., bet. Roosevelt and Acacia Sts., Stockton. Frame dwelling.
Owner—A. J. Buthenuth.
Architect—None.
Day's work. COST, $3500

FRAME WAREHOUSE
WEST HAZELTON AVE., bet. Van Buren and Monroe Sts., Stockton. Frame warehouse.
Owner—J. O. Gossett, 1205 S-Van Buren St., Stockton.
Architect—None.
Day's work. COST, $1000

FRAME DWELLING
LINCOLN AND TAYLOR STS., Stockton. Frame dwelling.
Owner—P. C. Garlick, 35 Ash Fair Oaks, Stockton.
Architect—None.
Day's work. COST, $1500

FRAME DWELLING
E-WASHINGTON ST., bet. "D" and "E" Sts., Stockton. Frame dwelling.
Owner—G. Nonnellini, Stockton.
Architect—None.
Day's work. COST, $2000

FRAME RESIDENCE
AURORA AND FIRST STS., Stockton. Frame residence and garage.
Owner—Ramsey-Emerson Co., 540 E-Market St., Stockton.
Architect—None.
Day's work. COST, $3000

RESIDENCE
W-FOURTH ST., bet. Commerce St. & McKinley Ave., Stockton. Residence
Owner—H. W. Barto, 1230 S-Lincoln St., Stockton.
Architect—None.
Day's work. COST, $1300

## COMPLETION NOTICES.

### San Joaquin County.

Recorded Accepted
Jan. 6, 1920—LOT 4 BLK 38 No. 320 E-Oak St., Lodi. J W Rich to whom it may concern..Dec. 20, 1919

## LIENS FILED.

### San Joaquin County.

Recorded Amount
Jan. 2, 1920—LOT 1 BLK 29 E of Center St., Stockton. Simpson-Gray Lumber Co vs Joseph Bisagno, Lee Yum, C W Beck, W C Ramsey and T F Emerson.....$1156.56


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## SAN FRANCISCO ARCHITECT URGES VALLEJO SCHOOL IMPROVEMENTS.

VALLEJO, Solano Co., Cal.—At a recent session of the Vallejo Board of Education, Architect W. H. Weeks, 75 Post street, San Francisco, presented sketches for both an intermediate or high school building to relieve the congestion in the Vallejo schools.

Architect Weeks stated that building suitable for elementary schools of the usual type would cost per class room in frame construction, $5750; brick veneer, $6250; brick or concrete, $7000.

No action was taken.


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-QUARTERED OAK-
WYBROCK BENDING OAK
POPLAR--WALNUT

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JENISERO-KOA-SPANISH CEDAR
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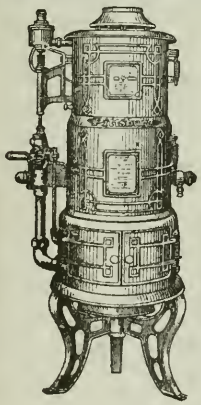

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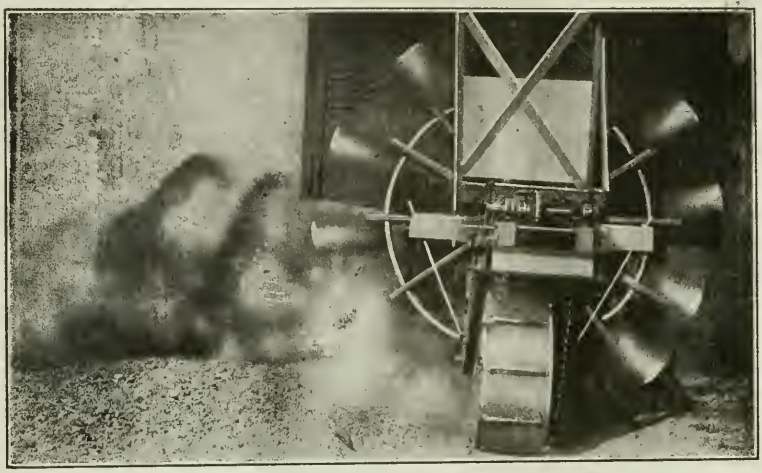

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L. A. LARSEN,
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560 Mission Street.
Telephone—Douglas 2372.

J. P. FARRELL.....Exchange Editor

# High Prices Fail To Check Nation's Building Boom.

Price movements in the building material markets of the entire country, with the exception of the extreme Southwest and north Pacific points, register the pressure of excessive demand against diminishing supply, says the Dow Service Daily Building Reports.

It has remained to be actually proved that high prices do not stifle construction of buildings. The year 1919 began with what were considered prohibitive wartime price levels. It ended with the levels of last January wholly eclipsed and made as diminutive as the levels of 1912 seemed to those created by war conditions. The year began with the Federal Government officially urging the people of the United States to proceed with their building plans. It ended with the people of the country ready and anxious to build homes, factories, office buildings, hotels, theatres, lofts and docks and terminals, but absolutely unable to obtain materials in the quantity desired, although prices asked are higher than the building industry has ever known them to be. The people have the money to pay for the materials needed even at premium bases, but the Federal policy that placed restrictions upon the free production of building materials during wartime and classed them as non-essential is now having its deleterious effects, not only upon the thrifty citizen, but upon the merchant, the manufacturer, the railroad and the Government itself.

There is such a shortage of building materials today that the Federal Government ascribes the inactivity of the Treasury Department's scheduled peace time building program to a desire not to further drain the present supply of materials, and the public building work has been therefore indefinitely deferred except in urgent cases. The railroads are to be turned over to their owners in March, and there is much structural material to be called for to put them back into shape, say the railroad authorities. As for private building work, it will probably pass the highest building record the country has ever known.

Estimates made for 160 cities on December 20 indicated a total pledged for building construction work of $1,315,000,000. The best year the country ever knew in value of new building projected was 1916, when it reached a grand total of $1,469,000,000, with 200 cities reported. New York probably closed the year with more than $300,000,000 pledged to building work. In 1916 New York recorded $221,000,000 worth of building construction, in 1917 $103,000,000 and in 1918 $56,000,000.

Such a building movement never was expected or conceived. The volume of construction work in 1920, even at this early date, is limited only by the ability of building material plants to produce and ship. The potential demand is already expressed in contracts signed and sealed sufficient to take the capacity of plants producing all but two of the basic commodities east of the Ohio River up to April 1, 1920. The structural steel shops have only 31 per cent of their capacity left.

# Federal Railroad Company Proposed In Railroad Bill.

A novelty in railroad operation is provided for in a bill introduced in the Senate on December 15 by Senator Norris of Nebraska, providing for the incorporation of a federal railroad company to purchase and operate the railroads of the United States. The bill provides that this corporation shall be authorized and empowered to lay out, locate, construct, furnish, maintain, operate "and enjoy" a railroad or railroads, together with the necessary telegraph and telephone lines and all necessary and useful appurtenances, anywhere within the United States, and that the corporation shall be vested with all the powers, privileges and "annuities" necessary to carry into effect the purpose of this act.

The bill does not state, however, the amount of the annuities that would be necessary for the proper enjoyment of such a railroad. The proposed federal railroad company is to have five directors appointed by the President and to hold office during good behavior and to be paid $12,000 a year each. It would have an authorized capital stock of $10,000,000,000 of comman stock; in addition, an amount of employees' stock, not exceeding one-fourth of the book value of the property, which would be issued to and paid for by employees. The stock would be free from taxation of every kind except federal income and inheritance or state taxes, except that the income from an amount of stock not exceeding $50,000 would be exempt from all income taxes and any stock held by state, county, municipality and charitable, religious or educational instituton not operated for profit woud be made exempt from all taxation.

It would be made the duty of the company to acquire all the railroads of the United States as rapidly as it is able to sell stock for the purchase of the same, and to build connecting lines necessary to co-ordinate the railroads which it acquires; with a view to co-ordinating and consolidating all the railroads of the United States under one management in order to reduce transportation to as near cost as possible, and to eventually retire all railroad bonds and indebtedness of every kind and of the common stock of the corporation. If the full amount of the stock offered by the company is not subscribed from other sources it is provided that the balance shall be subscribed for by the Secretary of the Treasury on behalf of the United States, who would secure the money by issuing Government bonds at 4½ per cent. The stock of railroad companies would be purchased by selling stock of the federal company, and any profits that it might make would be used in paying off any bonded indebtedness of the railroads so acquired. The board of directors would have charge of the operation, maintenance and control of all property owned by the corporations and would employ all the officials, managers and employees necessary to operate the railroads, provided that it should not authorize the payment of any salary for any official or any employee in excess of $12,000 per year.—Railway Age.

### THE CRY FOR RAILROADS.

Railway passengers in Rumania, many of them, today ride on the roofs. Returning Red Cross workers say that every train has its burden of hundreds en route to their destination by this chilly mode of transportation. And they are glad to get places on the roof even, for traffic in that country is congested beyond belief.

A few months ago Rumania had only eighty-four locomotives. She has since obtained others, but needs hundreds more. The present inefficiency of the Rumanian State railways is due to the lack of locomotives, passenger and freight cars and to insufficient trackage.

The most important state lines are single tracked, and long before the war the government considered installing a double-track system between the principal cities. The government also is considering the electrificatoin of the Bucarest-Predeal railway line, one of the most important in the country. The power will be supplied from waterfalls nearby.

Red Cross men in the Commission to Rumania declare that unparalleled opportunities exist in that country for American railroad men who desire to enter the great foreign field.

# Resume of Road Bond Issues in California

| Location | Amount | Terms of Maturity | Rate | Date | Miles | Cement Concrete | Asphaltic Concrete | Oiled Macadam | W. B. B. Macadam | Grading |
|---|---|---|---|---|---|---|---|---|---|---|
| Butte County | $ 1,800,000 | 25 years | 5% | 1919 | 196.00 | Type not determined | | | | |
| Contra Costa County | 2,600,000 | 1 to 25 years | 5% | 1919 | 106.00 | 72.0 | | 33.5 | | |
| Colusa County | 500,000 | Proposed 1917 | 5% | 1919 | 70.00 | Type not determined | | | | |
| Del Norte County | 200,000 | Proposed 1917 | | | | | | | | |
| Fresno County | 4,800,000 | 40 years | 5% | | 270.00 | Bitulithic on conc. | 84.00 | Asphaltic concrete | | 186.00 |
| Federal Aid | 10,000,000 | | | | | Type not reported | | | | |
| Glenn County | 400,000 | Proposed | | | | | | | | |
| Imperial County | 1,500,000 | 1929 to 1958 | 5¼% | 1919 | 140.00 | Type not determined | | | | |
| Imperial County | 1,500,000 | Proposed | | | | | | | | |
| Kern County | 3,000,000 | | 4½% | 1915 | | Type not reported | | | | |
| Kings County | 672,000 | 25 years | 5% | 1915 | 103.00 | | 103.00 | | | |
| Laterals, State | 3,000,000 | | | | | | | | | |
| Laterals, County | 6,000,000 | | | | | | | | | |
| Los Angeles County | 3,500,000 | 40 years | 4½% | 1909 | 296.33 | 2.92 | | 293.41 | | |
| Marin County | 1,000,000 | Proposed | | | | | | | | |
| Merced County | 1,250,000 | Proposed | 5% | 1918 | | | | | | |
| Modoc County | 400,000 | Proposed | 5% | 1919 | | | | | | |
| Napa County | 500,000 | 6 to 25 years | 5% | 1919 | 27.00 | 27.0 | | | | |
| Orange County | 1,270,000 | 32 years | 5% | 1913 | 128.73 | 117.6 | | | | 11.60 |
| Riverside County | 1,125,000 | 11 to 40 years | 5% | 1916 | 142.18 | 94.0 | | 22.00 | | |
| Sacramento County | 825,000 | 40 years | 4½% | 1908 | 90.00 | | 5.00 | 85.00 | | |
| Sacramento County | 1,750,000 | 25 years | 4½% | 1916 | 124.00 | 112.0 | | | | |
| Sacramento County | 1,250,000 | Proposed | | | | Concrete proposed | | | | |
| Sonoma County | 1,640,000 | 1 to 30 years | 5% | 1919 | | | | | | |
| Stanislaus County | 1,482,000 | 32 years | 5% | 1916 | 126.14 | 126.14 | | | | |
| San Bernardino County | 1,750,000 | 40 years av. 20 years | 5% | 1914 | 190.43 | 94.29 | | 96.14 | | |
| San Benito County | 300,000 | | 5% | 1913 | 140.00 | | | 20.00 | | |
| San Diego County | 2,300,000 | Proposed | 5% | 1919 | 134.18 | Types not reported | | | | |
| San Diego County | 1,250,000 | | 4½% | 1913 | | Types not reported | | | | |
| San Joaquin County | 1,890,000 | 40 years | 5% | 1909 | 241.00 | | 23.50 | 192.00 | 24.00 | |
| San Luis Obispo County | 1,500,000 | | 5% | 1919 | | Types not determined | | | | |
| San Mateo County | 1,250,000 | | 5% | 1914 | | Types not reported | | | | |
| Santa Barbara County | 350,000 | | 5% | | | Types not determined | | | | |
| Santa Cruz County | 924,000 | 20 years | 5% | 1919 | 39.10 | 39.10 | | | | |
| Sutter County | 810,000 | From 1924 at 20,000 per year | 5% | 1919 | | Types not determined | | | | |
| State of California | 18,000,000 | | 4% | 1910 | | | | | | |
| State of California | 15,000,000 | | 4½% | 1916 | 1617.40 | 1046.00 | 35.00 | 180.00 | | 356.00 |
| State of California | 40,000,000 | 1926 to 1965 | 4½% | 1919 | | Types not determined | | | | |
| Tehama County | 807,000 | 1921 to 1954 | 5% | 1919 | | Types not reported | | | | |
| Tulare County | 2,200,000 | | 5% | 1917 | 185.45 | 155.45 | 70.00 | | | |
| Ventura County | 1,000,000 | 30 years | 5% | 1915 | 105.00 | Types not reported | | | | |
| Ventura County | 580,000 | 1924 to 1943 | 5% | | | Types not reported | | | | |
| Yolo County | 1,000,000 | 1924 to 1959 | 5% | 1919 | | Types not determined | | | | |
| | 141,875,000 | | | | 3826.60 | 1886.00 | 506.00 | 921.60 | | 366.00 |

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES.

Plans Being Figured.
APARTMENTS Cost, $30,000
SAN FRANCISCO. W Leavenworth S Sutter Street.
Four-story and basement Class "C" apartment (6 3- and 4-room apts).
Owner—Ralph Brown.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Preliminary Plans Being Prepared.
APARTMENTS Cost, $50,000
RICHMOND, Contra Costa Co, Cal.
Three-story and basement brick apartment house, 3 and 4-room apts. (basement garage).
Owner—Withheld.
Architects—Fabre & Thayer, 912, 110 Sutter St., San Francisco.

Segregated Figures Being Taken.
APARTMENTS Cost, $——
SAN FRANCISCO. SE Sutter and Leavenworth Streets.
Six-story and basement Class "C" apartments (33 3-room apts).
Owner—M. A. Little.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $50,000
SAN FRANCISCO. Western Addition.
Five-story brick apartment house (15 2 and 3-room apartments).
Owner—Withheld.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans to be Prepared. Site Purchased.
APARTMENTS Cost, $——
REEDLEY, Fresno Co., Cal. Eleventh Street.
Modern apartment house (site 75x125)
Owner—Jesse C. Brown, Care Jesse C. Brown Hardware Co., Reedley.
Architect—Not Yet Selected.

Segregated Figures to be Taken by Owner.
APARTMENT HOUSE Cost, $30,000
SAN FRANCISCO, S Sacramento bet. Fillmore and Steiner.
Two-story and basement frame and plaster Apt. House, 8 4-room Apts. Six garages in basement.
Owner—Jefferson W. Asher, care Strand Theatre, 965 Market.
Architect—C. O. Clausen, Hearst Bldg.

Contract Awarded.
APARTMENTS Cost, $77,000
PENDLETON, Oregon.
Three-story fireproof apartment house (27 apts. of 2 and 3 rooms).
Owner—Withheld.
Architect—Not Given.
Contractor—Parker & Banfield, Pendleton and Portland, Ore.
Robt. Thompson of Pendleton has the plumbing and Finnigan & Williams, Portland, the heating contract.

### BANKS

Preliminary Details Being Prepared.
BANK BLDG. Cost, $——
RED BLUFF, Tehama Co., Cal.
Fireproof bank building.
Owner—Red Bluff National Bank.
Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

Plans to be Prepared.
ALTERATIONS Cost, $75,000
MODESTO, Stanislaus Co., Cal. Tenth and "I" Streets.
General Alterations, changes and extension to Banking Quarters.
Owner—Bank of Modesto. J. R. Broughton, President and W. W. Giddings, Cashier and General Manager.
Architect—H. H. Winner Co., San Francisco.

Preliminary Details Being Prepared.
BANK Cost, $——
CHICO, Butte Co., Cal.
Fireproof bank building.
Owner—First National Bank of Chico.
Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

Plans Being Prepared.
BANK Cost, $15,000
FOLSOM, Sacramento Co., Cal.
One-story reinforced concrete bank building.
Owner—The Bank of Folsom.
Architect—Alden W. Campbell, 3455 "J" St., Sacramento.

Plans Being Prepared.
BANK BUILDING Cost, $25,000
LOS GATOS, Cal.
One-story brick bank building.
Owner—First National Bank of Los Gatos.
Architect—M. G. West Co.
The present building will be torn down and some of the old brick will be used. Construction is to start about August 1st.

Sketches Being Prepared.
FRAME BUNGALOW Cost, $7,500
SAN FRANCISCO. Miramar Ave., Westwood Park.
One-story and basement frame bungalow (6 rooms).
Owner—Withheld.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

### BONDS

REDDING, Shasta Co., Cal.—The proposition to vote bonds of $90,000 with which to finance construction of a new school building will be submitted to the voters in the near future, probably during the month of March.

MODESTO, Stanislaus Co., Cal.—The Standard Paving Co., Modesto, being the only bidder for the purchase of $7,465 in bonds with which to finance the improvement of Fourteenth and Grand streets, the sale was awarded to that concern.

STOCKTON, San Joaquin Co., Cal.—February 28th is the date set to vote bonds of $1,275,000 with which to erect new schools and build additions to the present structures. The bonds, if voted, will be divided as follows:

$950,000 for improvements and additions to grammar schools and $325,000 for construction of a new high school.

FRESNO, Fresno Co., Cal.—County Treasurer A. D. Ewing has been authorized by the County Supervisors to purchase the $15,040 bond issue of the Claremont School District, proceeds of the sale to finance construction of a new school building.

Ernest J. Kump, Rowell Bldg., Fresno, is the architect.

LONE PINE HIGH SCHOOL DISTRIC, Inyo Co., Cal.—Bonds of $40,000 have been voted in the Lone Pine High School District to finance construction of a new high school building.

HILLSBOROUGH, San Mateo Co., Cal.—The $15,000 bond issue with which to purchase a motor driven fire truck has been sold by the Trustees of Hillsborough and bids for the furnishing and delivering of the truck will be opened January 20th.

MILL VALLEY, Marin Co., Cal.—An election will be held in the Mill Valley School District February 7th to decide the question of issuing and selling bonds of $100,000 with which to purchase sites and erect a new school building.

Carl Symonds, Mary F. Seymour and Edna M. Boland, Clerk, are Trustees of the District.

Preliminary plans will be prepared by Carl Symonds and other members of the School Board. Mr. Symonds is connected with the office of Frederick Whitton, 369 Pine St., San Francisco.

FAIRVIEW, San Benito Co., Cal.—Bonds of $15,000 have been voted in the Fairview School District with which to finance construction of a new school building.

RICHMOND, Contra Costa Co., Cal.—A bond election will be called in the Richmond Union High School District in the near future to secure $75,000 with which to finance construction of an additional unit to the present high school building.

TRACY, San Joaquin Co., Cal.—Bids will be received by the West Side Irrigation District, John C. Chrisman, Secretary, up to February 3rd, 10 A. M., for the purchase of $105,000 in bonds with which to finance improvements and extensions to the present irrigation system of the District.

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**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

Chapter Office 700 Marston Building 241 Kearny St., San Francisco

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1321 Thirty-third St.,
Sacramento - - California

**LOS ANGELES CHAPTER**
Harris, A. L. ..... Secretary
1104 Central Building
Los Angeles - - California

**PORTLAND CHAPTER**
Barnes, R. W. ..... Sec. & Treas.
36 Union Station
Portland - - - Oregon

**FRESNO CHAPTER**
Jean L. Vincenz ..... Secretary
P. O. Box 922
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Grumm, Fred ..... Secretary
2898 Spruce Street
San Diego - - California

**SAN BERNARDINO CLUB**
Woods, M. A. ..... Secretary
608 Tenth Street
San Bernardino - California

**EUREKA CLUB**
Howard, F. W. ..... Secretary
Eureka - - - California

**LODI**, San Joaquin Co., Cal.—Bids will be received by H. S. Clark, City Clerk, up to February 2nd, 8 P. M., for the purchase of street improvement bonds, one block for $7,888.20 and the other for $6,399.10.

**YREKA**, Siskiyou Co., Cal.—The County Supervisors, W. J. Neilon, County Clerk, have sold the $13,000 bond issue of the Edgewood school District. Proceeds of the sale will finance construction of a new school building.

TULARE, Tulare Co., Cal.—Preparations are being made in the Buena Vista School District to call an election to vote on the question of issuing bonds of $12,000 with which to build an addition of brick construction to the present school building.

AUBURN, Placer Co., Cal.—The City Trustees, Mary H. Wallace, City Clerk, will at the next meeting discuss with the Auburn Commercial Club the calling of an election to decide the question of issuing and selling bonds to finance construction of a concrete roadway from the center of the city to connect the present State highway with the Grass Valley and Auburn State highway lateral, estimated to cost $39,500, the purchase of road machinery at $10,000 and $11,000 for the purchase of Recreation Park.

TURLOCK, Stanislaus Co., Cal.—Bonds of $60,000 have been voted to finance construction of sewer extensions. This is the second election, the first having been declared illegal.

MODESTO, Stanislaus Co., Cal.—Bids will be received by W. O. Thompson, City Clerk, up to February 11th for the purchase of $289,000 worth of municipal improvement bonds.

## CHURCHES

Plans Being Figured.
CHURCH Cost, $100,000
ALAMEDA. No. 1931 San Antonio Ave.
Reinforced concrete church (Mission style).
Owner—St. Joseph's Catholic Church (Rev. J. B. Praught, Pastor.)
Architects—W. D. Shea and Henry A. Minton, 244 Kearny St., San Francisco.
Bids will be taken for a general contract.

To Ask Architects to Submit Designs.
CHURCH Cost, $30,000
MODESTO, Stanislaus Co., Cal. Elmwood and Needham Avenues.
Fireproof church building.
Owner—Methodist Episcopal Church. Building Committee Composed of E. H. Morris, James L. Robertson, T. B. Mason and Mrs. Mary Hanscom.
Architect—Not Decided.

Plans to be Prepared. Site Being Considered.
CHURCH Cost Between $15,000 and $25,000.
YUBA CITY, Sutter Co., Cal.
Church Building.
Owner—Methodist Church of Yuba City Rev. L. C. Beasley, Pastor, Yuba City

Plans Being Prepared.
CHURCH Cost, $60,000
DINUBA, Tulare Co., Cal.
Two-story and basement concrete or hollow tile church
Owner—First Baptist Church.
Architect—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.

Plans Being Prepared.
CHURCH & STORE Cost, $40,000
OREGON CITY, Oregon.
Two-story brick church and store building, 65x120.
Owner—Methodist Church of Oregon City.
Architects—Tourtellotte & Hummel, McKay Bldg., Portland.
NOTE:—Ground floor has been leased to Price Bros. of Oregon City.

Plans to Be Prepared. Site Purchased.
CHURCH Cost, $80,000
FRESNO, Fresno Co., Cal. M and Tuolumne Streets.
Fireproof church building.
Owner—Pilgrim Armenian Church, Rev. M. G. Papazian, pastor, 2122 Inyo street, Fresno.
Architect—Not yet selected.

## FACTORIES AND WAREHOUSES.

Sub-Figures Being Taken. To be Done by Days Labor.
ADMINISTRATION BLDG.
Cost, $25,000.
EMERYVILLE, Alameda Co., Cal. 4th and Powell Streets.
One-story brick administration building.
Owner—Marchant Calculating Machine Co., Premises.
Architect—Chester Miller, Call Bldg., San Francisco.

Sub-Figures to be Taken in About a Week.
WAREHOUSE Cost, $——
SAN JOSE, Santa Clara Co., Cal. 5th and Martha Streets.
Two-story reinforced concrete and hollow tile service building and one-story frame warehouse.
Owner—American Can Co.
Architect—Eng. Dept. of Owner, New York.
Supt.—Wm. Nopper, Care American Can Co., 5th and Martha Sts., San Jose and Mills Bldg., San Francisco
Mr. Nopper has just arrived from New York to superintend the construction of these buildings, and will take sub-figures on all parts of the work.

Sub-Figures Being Taken.
WAREHOUSE Cost, $100,000
LOS ANGELES, Cal. Santa Fe Ave. and 48th St.
One-story frame warehouse.
Owner—American Can Co., Premises.
Architect—Eng. Dept. of Owner, New York.
Supt.—Wm Nopper, Care American Can Co., Premises.

Contracts Awarded.
AUTO REPAIR SHOP Cost, $8,000
SAN FRANCISCO. S Mission Bet. 8th and 9th Streets.
One-story brick auto repair shop, 35x80.
Owner—A. Palodori.
Architect—S. Heiman, 57 Post Street, San Francisco.
**General Contract** to Louis Cohn, Merchants National Bank Bldg., for $2975
**Brick Work** to Harry Drake, 110 Jessie St., for $4100.

Plans Being Prepared.
CANNERY Cost, $60,000
HILLSBORO, Oregon.
Hollow tile and slow burning mill interior cannery, 86x370.
Owner—Ray & Son, Sherlock Bldg., Portland, Oregon.
Architect—E. E. McClaran, Lumber Exchange Bldg., Portland.

Contract Awarded.
CANNERY Cost, $——
SACRAMENTO, Cal. 24th, 25th, "R" & "S" Streets.
Cannery building, 100x340.
Owner—The Triolo Canning Co., Sacramento.
Architect—Not Given.
Contractor—Geo. Hudnutt, California Fruit Bldg., Sacramento.

Plans Being Prepared.
WAREHOUSE Cost, $50,000
SAN FRANCISCO. W 3rd St. bet. Bryant and Brannan.
One-story and mezzanine floor reinforced concrete warehouse.
Lessee—Ehrman Bros. & Co.
Architect—G. A. Lansburgh, 709 Mission, San Francisco.
Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.
Construction will be started in about a month.

Plans Being Prepared.
FACTORY Cost, $35,000
Two-story concrete and hollow tile factory, 75x100.
Owner—Oregon Pipe Organ Co., John Taylor, Seward Hotel, Portland.
Architect—Edmund Bergholtz, Spalding Bldg., Portland.

STOCKTON, San Joaquin Co., Cal.—Articles of incorporation have been filed by the California Tractors, Inc. with County Clerk Eugene D. Graham. The company is capitalized at $500,000 and has the following directors:
Rollin M. Reed, Andy R. Udall, A. R. Hathaway, Paul Rossler, Bank of Italy Bldg., Stockton, and Attorney C. M. Gill, Yosemite Bldg., Stockton.
The company plans the erection of a new plant in Stockton on a site already purchased. Construction of the plant will not be taken up for about six months.

SAN PEDRO, Los Angeles Co., Cal.—Wm. M. Ledbetter, Pacific Electric Bldg., Los Angeles, has the contract at about $16,000 to construct a wharf 145 feet long and 20 feet wide and dolphins on the west basin site of the Los Angeles Shipbuilding Company's new dry dock.

The Schultz Construction Co., 46 Kearny St., San Francisco, has been awarded the contract for wood block paving in the Goodyear Rubber Company's warehouse now under construction in Los Angeles. The contract price is in the neighborhood of $10,000.

SACRAMENTO, Cal.—W. G. McMillin, State Purchasing Agent, co-operating with the State Board of Control announces he is planning on establishing

in San Francisco a central warehouse in which to store State supplies.

McMillin said the establishment of the warehouse is necessary to carry out the provisions of the Act passed by the last Legislature appropriating $200,000 to be used by the Purchasing Department as a revolving fund.

## FIREHOUSES AND JAILS

MERCED, Merced Co., Cal.—The Supervisors have rejected bids received for the construction of the branch county jail building at Livingston, Merced County. The bids range from $11,720 to $15,880, and were considered too high. P. J. Thornton is County Clerk.

Plans Being Prepared.
RESIDENTIAL FLATS Cost, $16,000
SAN FRANCISCO. Park-Presidio District.
Two-story and basement frame and brick (2) residential flats. 7 rooms and garage each.
Owner—Withheld.
Architects—Fabre & Thayer, Rm. 912, 110 Sutter St., San Francisco.

## GARAGES

Owner Taking Figures.
GARAGE Cost, $10,000
SAN FRANCISCO. N Twenty-second St. W Minnesota.
One-story concrete private garage.
Owner—Geo. Schaeng & Sons, 1100 23rd St., San Francisco.

been awarded to the York California
Completing Plans.
GARAGE Cost, $15,000
TULARE, Tulare Co., Cal.
One-story fireproof garage (60x140). Leased to Chevrolet Agency.
Owner—C. L. Russell, Tulare, Cal.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.

## GOVERNMENT WORK AND SUPPLIES

Plans Being Prepared.
MAGAZINE & SHELL BUILDINGS
Cost, $35,000 and $45,000 respectively.
MARE ISLAND
Magazine building and a shell building.
Owner—U. S. Government.
Architect—Public Works Dept., Mare Island.

Work will probably be done by force account, although definite orders have not been received.

SAN FRANCISCO.—The following bids were received January 12th at the office of the U. S. Superintendent of Construction, 402 Post Office Building, 7th and Mission streets, for an addition to the heating system at the Marine Hospital, San Francisco Presidio:

| | |
|---|---|
| Burnham Plumbing Co. | $ 9,271 |
| California Hydraulic Eng. & Supply Co. | 10,497 |
| Ocean Shore Iron Works | 11,021 |
| Main Iron Works | 11,218 |

ROSEVILLE, Placer Co., Cal.—Representing San Francisco capital Richard Lea, S. Catto and A. J. Laycher are in Roseville conferring with the Chamber of Commerce on the erection of a cannery building in Roseville to cost $10,000. A site for the structure has already been selected.

STANDARD, Tuolumne Co., Cal.—The Standard Lumber Co., Standard, has started construction on a sawmill, estimated to cost $300,000. The old structure was recently destroyed by fire.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, Bell Street Terminal, Seattle, up to February 9th, 11 A. M., under Circular No. 400 for furnishing Russell standard single track snow plow; box cars; Gondola cars; flat cars; and 24" Car Wheels with axles.

SUPPLIES FOR THE NAVY—Navy Department, Bureau of Supplies and Accounts, Washington, D. C.—Sealed bids will be received here for furnishing supplies under schedules as follows:

Closing date noted at end of each paragraph.

Schedule 5359, for Puget Sound, 1 towing chock, opening January 30.

Schedule 5360, for Mare Island, 250-000 lbs. bituminous enamel, opening January 30.

Schedule 5361, for Mare Island, miscellaneous padlocks and keys, opening January 27.

Schedule 5363, for Mare Island, 4,270 yds. yellow cotton bunting, opening January 27.

Schedule 5366, for eastern and western yards, miscellaneous electric water heaters, opening February 10.

Schedule 5368, for Mare Island, 2,500 lbs. marine glue, opening February 6.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, Washington, D. C., has completed plans and specifications for work at Yerba Buena Island, San Francisco Bay, under Specification No. 4116 which provides for alterations of existing double quarters, dormitory and mess hall and the construction of new double quarters at the naval radio station. Buildings are of wood frame construction with stucco and wood shingle exterior finish, plastered interior and composition roofing.

Work is estimated to cost $23,000.

Plans may be secured on deposit of $10.00. While the work is not yet out for figures it is thought that a date will be set in the near future.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, 422 Bell Street Terminal, Seattle up to February 2nd, for furnishing and delivering the following supplies under Circular No. 399:

Table oil cloth; jute carpet; window glass, Dietz lantern globes; car lighting fixtures; grinding wheels; drill grinder; drill; reamers; building hardware; carriage bolts; guying clamps; solid copper wire; galvanized wire; insulators; guy wire, thimbles; washers; tie wires; copper sleeves; nuts; ells; boat spikes mild steel and air brake parts and tie plates

## HALL & SOCIETY BUILDINGS

Plans to be Prepared.
CLUBHOUSE Cost, $20,000 to $30,000
BERKELEY, Alameda Co., Cal. Berkeley Hills (165 Acres).
Frame clubhouse, golf links, etc.
Owner—Berkeley Country Club, (Wells Drury, 2108 Shattuck Ave., Sec.), Berkeley.
Architect—Not Selected.

LOS ANGELES, Los Angeles Co., Cal.—The Board of Trustees of Shrine Auditorium has decided to erect a new auditorium on the site of the building which was destroyed by fire a few days ago. The new building will be of fireproof construction and will contain an auditorium to seat 10,000 people and a banquet room to accommodate 3000. The cost will be about $1,000,000. M. H. Flint, is chairman of the Board of Trustees.

## HOSPITALS

Preliminary Plans Prepared.
HOSPITAL Cost, $150,000
LOS ANGELES, Cal. Hope St., bet. 23rd and Adams Sts.
Three-story and basement Class "A" reinforced concrete hospital building.
Owner—Los Angeles Orthopaedic Foundation.
Architect—E. L. Mayberry, 468 Pacific Electric Bldg., Los Angeles.

This is a hospital for the treatment and education of crippled children. The site for the proposed hospital was presented to the association by John Brockman; Mrs. Anita Baldwin has given $50,000 toward the building fund and efforts are now being made to raise an additional $100,000. The preliminary plans provide for ward, school and operating rooms, gymnasium, shops, dormitories, etc. Geo. Dryer, 615 Van Nuys Bldg., is president, and H. H. Baskerville, Auditorium Bldg., is secretary of the association. Dr. C. L. Lowman, 703 Brockman Bldg., is in charge of the raising of funds for the proposed building.

OAKLAND, Cal.—The County Supervisors, George E. Gross, County Clerk, have awarded contracts to the following firms for furnishing and delivering furniture, etc., at the County Hospital:

Schlueter & Beecher, Reid Bros., Rucker-Fuller Co., Heywood Bros., and Wakefield, Jackson Furniture Co., and Percy Meyer.

SANTA BARBARA, Santa Barbara Co., Cal.—Until 10 A. M., February 2, bids will be received by the Supervisors of Santa Barbara County, for erecting a superintendent's bungalow, laundry and boiler room at the county poor farm in accordance with plans and specifications on file at the office of the County Clerk, C. A. Hunt. Certified check for 10% required. The estimated cost of the buildings is about $50,000.

## HOTELS

Contract Awarded on a Percentage Basis.
ADDITION Cost, $40,000
MARYSVILLE, Yuba Co. Cal. No. 200

One-story brick addition (23 rooms) to three-story hotel.
Owner—Western Hotel Co., Premises.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—L. E. Hite, Marysville.

Plans Being Prepared.
ADDITION Cost, $——
OROVILE, Butte Co., Cal. Union Hotel
Alterations and changes for hotel and addition of third story.
Owner—S. N. Feldheim and Douglas Jacobs (Union Hotel), Oroville.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico.

Plans Being Prepared.
ALTERATIONS Cost, $20,000
SAN FRANCISCO. NO. 433 Powell St.
Extensive alterations to hotel (enlarge lobby, paint and redecorate entire hotel).
Owner—Joseph Cahen et al.
Architect—Joseph Cahen, 333 Kearny St., San Francisco.

Plans Being Prepared.
HOTEL Cost, $200,000
VALLEJO, Solano Co., Cal. Sonoma and Virginia Streets.
Five and six-story and basement fireproof hotel.
Owner—Admiral Hotel. A company composed of Albert Casper, Chairman of Mare Island Naval Base Association, James E. Hegan, M. E. Reed, Commander, who is supervising installation of machinery in the Battleship California at Mare Island.
Engineers—Heller & Wlison, 1st National Bank Bldg., San Francisco and Geo. E. Perry Jr., Associate, Vallejo, Cal.

TURLOCK, Stanislaus Co., Cal.—Articles of incorporation have been filed by the Yosemite Hotel Company which plans the erection of a $250,000 hotel building in this city. The directors are: M. M. Berg, D. J. Walton, T. R. Olson, Peter Ericksnn, Arthur F. Johnson, Chas. C. Hall, J. R. Quigley, Chas. Mollard and A. A. Richards. Attorney G. B. Hjelm represents the company.

## PUBLIC BUILDINGS

RED BLUFF, Tehama Co., Cal.—The following is a list of Architects and Engineers who submitted bids for furnishing plans and specifications for the proposed Tehama County Court House to be erected in Red Bluff:

Edward T. Foulkes, San Francisco, $5,000; R. A. Herold, Sacramento, 6 per cent of the construction costs; Chester H. Miller, San Francisco, for 6 per cent of costs; George C. Sellon & Co., Scaramento, 3 per cent of costs of building, for plans and specifications; John B. Leonard, San Francisco, made a like bid; Weeks & Day, San Francisco, 6 per cent for plans and specifications and the supervision of construction; W. H. Weeks, San Francisco, 3 per cent for plans and 3 per cent for the supervision, and Edgar A. Mathews, San Francisco, 2½ per cent for plans and 3 per cent for supervision. All offers were taken under advisement.

H. G. Kuhn is County Clerk.

Completing Final Working Drawings.
MEMORIAL BLDG Cost, $350,000
SAN FRANCISCO. Alta Plaza Park, bounded by Jackson, Clay, Steiner and Scott Streets.
Class "A" Memorial Building.
Owner—Mr. and Mrs. A. B. Spreckels.
Architects—G. A. Applegarth, Claus Spreckels Bldg., San Francisco, and Henry Guillaume of Paris Associate.

It will be a replica of the famous French Palace of Legion of Honor in Paris.

Mr. and Mrs. Spreckels will also present to the city some of their famous statuary, paintings, etc., amounting to $650,000.

Contract Awarded.
ALTERATIONS Cost, $3,237
SAN FRANCISCO. Seventh and Mission Streets.
New partitions, etc., on second and fourth floors of Post Office.
Owner—United States Government.
Architect—None.
Contractor—Barrett & Hilp, Sharon

Plans Approved.
SWIMMING POOL, ETC Cost, $——
CHICO, Butte Co., Cal. Bidwell Park.
Concrete swimming pool and bath house buildings.
Owner—City of Chico, Ira R. Morrison, City Clerk.
Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.

Plans Being Figured. Bids Close Feb. 5th, 1920.
MEMORIAL BLDG. Cost, $——
CARSON CITY, Nevada.
Two-story and basement fireproof Memorial Building.
Owner—State of Nevada.
Architect—F. J. De Longchamps, State Architect, Carson City, Nevada.
Separate bids will be received for heating and plumbing.

MARTINEZ, Contra Costa Co., Cal—Henry McNamara Post of the American Legion has passed a resolution calling upon the Board of Town Trustees to call a $150,000 bond election for the erection of a memorial auditorium and the completion of a memorial park.

January 16, 1920.

WILLOWS, Glenn Co., Cal.—The Grand Jury has recommended to the County Supervisors the construction of a new county jail and hall of records building, stating that the sum of $150,000 is now available for constructing such a building. W. H. Sale is County Clerk.

ALTURAS, Modoc Co., Cal.—The construction of a community hall, for public meetings, dances, theatre and gymnasium, is planned by the Alturas Park Commission and the following have been appointed a committee to secure estimates and data for construction:

C. N. Jackson, Chairman; L. E. Bunker, P. S. Dorris M. G. Belli and others.

A building, 60x120, of native stone construction is planned.

SAN JOSE, Santa Clara Co., Cal.—Bids will be received by Henry A. Pfister, County Clerk, up to February 2nd, 11 A. M., for the construction of a cement concrete floor of approximately 1600 square feet in the basement of the Hall of Records.

BERKELEY, Alameda Co., Cal.—A committee of 200 citizens, appointed by Mayor Bartlett, has selected Dr. David P. Barrows, Chairman of the Memorial Committee which plans to secure funds with which to finance construction of a soldiers' memorial in Berkeley.

## RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, $——
PORTOLA, San Mateo Co., Cal. Portola near Redwood City.
One and one-half-story frame and plaster country residence.
Owner—J. A. Talbot.
Architect—J. R. Miller, Lick Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $——
PORTOLA, San Mateo Co., Cal. Portola near Redwood City.
One and one-half-story frame and plaster residence and garage.
Owner—J. J. Tynan.
Architect—J. R. Miller, Lick Bldg., San Francisco.

Ready for Figures January 19th.
RESIDENCE Cost, $9,000
BERKELEY, Alameda Co., Cal. Plaza Drive, Claremont District.
Two-story and basement frame and plaster residence and garage (8 rooms) Dutch Colonial Style.
Owner—S. A. Keystone.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared. To be Done by Days Work.
BUNGALOWS. Cost, $4,000 to $6,000 each.
MILL VALLEY, Marin Co., Cal.
Five one and one-half-story frame bungalows (4 to 7 rooms each).
Owner—San Francisco Building Cptn.
Architects—Fabre & Thayer, Rm. 912, 110 Sutter St., San Francisco.

SPECIFICATIONS

Exterior Finish, cement plaster, rustic and shingles; Floors, hardwood; Interior Finish, hardwood.

Contract Awarded.
COTTAGES Cost, $1,137
TURLOCK, Stanislaus Co., Cal. Delhi Colony.
Two one-story frame laborers' cottages.
Owner—State Land Settlement Board.
Architect—Max E. Cook, Farmstead Engineer, Turlock.
Contractor—Wakefield & Peterson, Turlock.
Other bids were: O. D. Williams.

FRAME DWELLINGS Cost, $——
MARYSVILLE, Yuba Co., Cal. Various Sections of the City.
Number of frame dwellings.
Owner—Mt. Diablo Building Corporation, D. A. McQuddy, General Superintendent, and Yuba County Charber of Commerce, Marysville.
Architect—C. C. Peppin, Architect for the Mt. Diablo Bldg., Corpn.
Contractor—Mt. Diablo Building Corporation of Yuba County Chamber of Commerce, Marysvlile.
NOTE:—A. R. Pedder, who erected a number of dwellings in Sacramento and Napa is President of the Mt. Diablo Building Corp.

Construction to Start Shortly.
BUNGALOWS Cost, $2,500,000
SACRAMENTO, Cal. South Curtis Oaks Subdivision.
340 one-story and basement frame bungalows (5 to 7 rooms each).
Owner—J. C. Carly, Sacramento.
Architect—Not Given.
Supt. of Construction—E. A. Corum, 2533 Portola St., Sacramento.

Contractors Taking Sub-Figures.
RESIDENCE Cost, $80,000
SAN FRANCISCO. No. 1918 Jackson Street.
Three-story and basement frame residence.
Owner—Mrs. Lillie B. Matson, 1834 Jackson St., San Francisco.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren & Co., Monadnock Bldg., San Francisco.
(32522) 1st report Dec. 30, 1919.

Plans Being Prepared.
RESIDENCE Cost, $8,500
FRESNO, Fresno Co., Cal.
One and one-half story hollow tile residence (7 rooms).
Owner—G. T. Paxton.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Completing Plans.
RESIDENCE Cost, $12,500
TULARE, Tulare Co., Cal.
One-story hollow tile and stucco residence (8 rooms).
Owner—C. L. Russell, Tulare, Cal.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Contract Awarded. Foundation Work Started.
RESIDENCE Cost, $20,000
WALNUT CREEK, Contra Costa Co., Cal. Ygnacio Valley.
Two-story and basement hollow tile residence, 80x20 (8 rooms).
Owner—Philip Bancroft, Walnut Creek
Architect—John Stafford White, Walnut Creek.
Contractor—T. P. Butterfield, El Cerrito, Cal.

Plans Being Prepared.
RESIDENCE Cost, $12,000
FRESNO, Fresno Co., Cal. Van Ness bet. Belmont and Olive.
One-story eight-room residence.
Owner—J. M. Rustigian.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Contracts Awarded
RESIDENCE Cost, $30,000
SAN FRANCISCO. SW Balboa and 14th Avenue.
Two-story and basement frame residence.
Owner—Chas. C. Horton, 9 Main St., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
NOTE:—Work will be done by segregated contracts, which have been awarded.

Plans Being Prepared. To be Done by Days Work.
BUNGALOWS Cost, $7,500 each
SAN FRANCISCO. Westwood Park, one on Westwood Drive and the other on Northwood Drive.
Two one-story and basement frame bungalows (6 rooms each).
Owner—H. J. Hansen.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Contract Awarded.
BUNGALOWS Cost, $——
WILLOWS, Glenn Co., Cal. Pittsburgh Addition.
Owner—Company Headed by G. A. Gutman, Willows, Cal.
Designer and Contractor—E. M. Reigh, Los Angeles.

MARTINEZ, Contra Costa Co., Cal.—Architect O. E. Evans, 2569 Mission St., San Francisco, has submitted a proposition to the local Chamber of Commerce offering to erect from 20 to 200 new homes in this city.

Evans proposes to construct the houses and after they are built, for the local banks to take a first mortgage on the house and lot for sixty per cent of the cost and the remaining forty per cent be taken up as a second mortgage by the local business men.

## SCHOOLS

OAKLAND, Cal.—Architect C. W. Dickey of Oakland and Honolulu, has been recommended by the Bond Expenditure Committee of the City of Oakland to handle construction under the recently voted $5,000,000 bond issue with the title of "Supervising Architect." It will be at least two or three weeks before action will be taken on the recommendation.

Plans Being Figured.
SCHOOL Cost, $40,000
SAN ANSELMO, Marin Co., Cal.
One-story and basement brick elementary school (10 rooms and an auditorium).
Owner—San Anselmo School District.
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.
Figures are being taken for a general contract. The closing date will be set by the Board at their meeting of January 13th.
Bonds have been voted.

Plans Being Figured. Bids Close Jan. 24, 1920, 7 P. M.
SCHOOL Cost, $40,000
YREKA, Siskiyou Co., Cal.
One-story brick and concrete school.
Owner—Yreka Grammar School District.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
NOTE:—The date of opening bids has been extended from Jan. 17th to Jan. 24th.

Plans Approved.
ARTS BUILDING Cost, $32,000
CHICO, Butte Co., Cal. Chico State Normal School Grounds.
Brick industrial arts building of the factory type, 160x80 feet.
Owner—State of California (Chico State Normal School.) C. M. Osenhaugh, President.
Architect—State Department of Engineering, Sacramento.
Building will contain machine room, wood working room, two bench rooms, electrical appliance room, varnishing and finishing room, lumber room, class rooms, locker room, office and a large room for demonstrations.

Plans Being Figured. Bids Close Jan. 31st 8 P. M.
SCHOOL AUDITORIUM Cost, $——
KING CITY, Monterey Co., Cal.
One-story and basement concrete and frame grammar school auditorium.
Owner—King City School District.
Architect—H. B. Douglas, King City
Structure will contain balcony, operator's rooms, for moving pictures, mechanical air heating plant, etc.

Contract Awarded.
SCHOL Cost, $20,990
POTTER VALLEY, Mendocino Co., Cal.
One-story reinforced concrete school (5 rooms and an auditorium).
Owner—Potter Valley School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—Myrl R. Crane, 74 Miramar Ave., San Francisco.

Plans Being Prepared.
SCHOOL Cost, $10,000
IGNACIO, Marin Co., Cal.
One-story frame school (2 rooms).
Owner—Ignacio School District.
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.

Plans Being Figured. Bids Close January 26.
SCHOOL Cost, $——
LONG BEACH, Los Angeles Co., Cal.
Two-story hollow tile grade school, 10 rooms, auditorium, etc.
Owner—Long Beach City School Dist.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, and W. Horace Austin, Long Beach.
Bids will be received separately as follows: (a) general work; (b) plumbing; (c) painting; (d) electric wiring; (e) heating and ventilating; (f) program clock and bell system.

Plans Being Figured. Bids Close Feb. 14, 1920.
SCHOOL Cost, $——
CHANDLER, Arizona.
Three brick and stucco high school buildings.
Owner—Chandler High School District.
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.
Bids will be received separately as follows: For general contract work; tile roofing; black boards; painting; plumbing, gas fitting and sewering; hardware, and for the heating.
Plans may be obtained from the architects on a deposit of $15.

Plans Being Figured. Bids Close Jan. 29, 1920.
SCHOOL, ETC. Cost, $——
GLENDALE, Los Angeles Co., Cal. Broadway and Wilson School Sites
Eight-room hollow tile school and 4-room brick addition to Wilson School.
Owner—Glendale City School Trustees, 411 E-Wilson St., Glendale.
Architects—Jeffery & Schaefer, 1106 Kerckhoff Bldg., Los Angeles.
Segregated bids are being taken.

Bids Opened.
SCHOOL Cost, $——
COQUILLE, Oregon.
Two-story tile school (13 class rooms and auditorium), 76x142.
Owner—Coquille School District.
Architects—Tourtellotte & Hummel, Rothchild Bldg., Portland, Ore.
A. E. Sykes, Venable Hotel, Portland ..... $49,433

Peterson & Waale, Portland.... 55,600
Hoover & McNeil, Eugene..... 51,890
H. E. Miller, Portland..... 59,500

SACRAMENTO, Cal.—The Board of Education has decided that the awarding of contracts for designing plans for the new schools and additions to the present structures will be made through competitive plans.

Chas. C. Hughes will isue a call in the near future.

OAKLAND, Cal.—The Board of Education has officially appointed Marston Campbell, Superintendent of Streets, as chief of construction to handle the Oakland school building campaign under the recently voted $5,000,000 bond issue.

FRESNO, Fresno Co., Cal.—The Board of Education, J. R. Fontaine, Secretary, has authorized the construction of the Washington and Jackson school buildings and a call for bids will be issued shortly.

Trewhitt & Shields, Rowell Bldg., Fresno, ars the superintendents for all school construction and bids will be called through their office.

FRESNO, Fresno Co., Cal.—Bids are being received by J. R. Fontaine, Secretary of the Board of Education, for painting, plastering, roofing, wiring, hardware, etc., for the Webster, John Muir, Arlington Heights, Kirk and Longfellow Schools.

Plans for the work may be seen at the office of Trewhitt-Shields Co., Rowell Bldg., Fresno.

BERKELEY, Alameda Co., Cal.—Bids will be received by Nellie L. Crowl, Secretary of the Berkeley Board of Education, up to 4 P. M., February 3, 1920, for furnishing and installing a wooden rolling partition in gymnasium at Edison School, Berkeley, in accordance with plans and specifications adopted by said Board of Education.

Plans may be had from the office of Architect W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley.

FRESNO, Fresno Co., Cal.—The following contracts were awarded by the Fresno Board of Education, J. R. Fontaine, Secretary, for the construction of the Arlington Heights and John Muir School Buildings and for alterations and additions to the present Longfellow, Webster and Kirk Schools:

Bids were taken as follows:

Specification "A," Excavation, concrete work, carpenter work, mill work, etc.

"B" Brick and terra cotta.
"C" Steel and ornamental iron.
"E" Plumbing.
"F" Heating.

**Arlington Heights School.**

Section "A"—A. D. Collman....$19,648
Section "B"—F. F. Smith..... 3,366
Section "C"—Kyle & Co..... 320
Section "E"—Barrett-Hicks.... 2,760

Total .....$26,594

**John Muir School.**

Section "A"—A. D. Collman....$60,468
Section "B"—F. L. Erwin..... 12,480
Section "C"—Kyle & Co..... 4,162
Section "E"—Barrett-Hicks Co... 8,327
Section "F"—Newman & Co..... 7,294

Total .....$95,519

**Alterations and Additions to Longfellow School.**

Section "A"—Frederickson & Shannon .....$39,595
Section "B"—F. Smith..... 8,295
Section "C"—Kyle & Co..... 1,854
Section "E"—N. Johnson..... 5,996
Cection "F"—Newman & Co..... 7,294

Total .....$63,034

**Alterations and Additions to Webster School.**

Section "A"—A. D. Collman....$22,788
Section "B"—F. Smith..... 5,419
Section "C"—Kyle & Co..... 1,885
Section "E"—New & Co..... 324
Section "F"—Barrett-Hicks Co.. 5,559

Total .....$35,975

**Alterations and Additions to Kirk School.**

Section "A"—A. D. Collman....$14,154
Section "B"—D. A. Moore..... 1,740
Section "C"—Kyle & Co..... 208
Section "F"—Newman & Co..... 1,578

Total .....$17,680

SONORA, Tuolumne Co., Cal.—The erection of a gymnasium on the grounds of the Sonora Union High School Building is planned in the near future by the Trustees of the District. The proposed structure will be two stories in height of fireproof construction and will cost about $12,000, for which funds are available.

MONTEREY, Monterey Co., Cal.—An election will be held in the Monterey School District February 5th to decide the question of levying a direct tax with which to secure $15,000 for making addition to the Monterey School; install heating systems; provide for and finish a manual training room; install a clock system; provide shades and equipment; and put the grounds in order.

Trustees of the district are: A. G. Winston, H. D. Severance and Geo. E. McDonald.

MODESTO, Stanislaus Co., Cal.—The County Supervisors have sold the following school bond issues to the State Compensation Insurance Fund:

Salids Grammar School District, $16,000.
Washington Grammar School District, $2,000.
Hughson Union High School District, $90,000.
Turlock School District, $89,000.

In each case the funds will be used for school construction. Plans for work planned under the $89,000 issue of the Turlock District are being prepared by Architect W. H. Weeks, 75 Post Street, San Francisco.

## STORES AND OFFICES

Plans Being Figured.
ALTERATIONS Cost, $100,000 or more
SAN FRANCISCO. Nos. 17, 23 and 25 Powell Street.
Alterations and extensions to candy store also alter upper floors of adjoining building for candy factory.
Owner—Pig'n Whistle, Premises.
Architect—A. S. Heineman, Monadnock Bldg., San Francisco.
The alterations will include elaborate decorating, marble and tile work, store fronts, glass work, etc.

Plans Being Prepared.
STORE BLDG. Cost, $12,000
SAN FRANCISCO. Fillmore Street near Eddy.
One-story Class "C" reinforced concrete store building.
Owner—Jos. Shoenfeldt, Cr. Architect.
Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. E Stockton bet. Geary and Post Streets.
Extensive alterations for store (Patent store fronts, hardwood interior, mirrors, etc.)
Owner—J. F. Wooster.
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, $3,000 to $4,000
SAN FRANCISCO. SE Market and Third Sts. (Hearst Building).
Alter for shoe store (store fronts, fixtures, etc.)
Owner—Packard Shoe Co. (J. T. Pechner).
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.

Contract Awarded.
REPAIRS Cost, $4,000 approximately
ALAMEDA, Alameda Co., Cal. No. 1423 Park Street.
Repairs to fire damaged store.
Owner—J. J. Konigshofer, Premises.
Designer—Maurice C. Couchot, 110 Sutter St., San Francisco.

Plans Being Prepared.
AUTO SALES BLDG. Cost, $75,000
SAN FRANCISCO, SE Van Ness Ave. and Jackson.
Three-story reinforced concrete auto sales building.
Owner—Leon Lewin.
Lessee—Hawley-King Co., 1130 Polk.
Architect and Contractor—MacDonald & Kahn, Railto Bldg.
Construction will be started within a month. The present building will be razed.

Contract to be Awarded Shortly.
OFFICE BLDG., ETC. Cost, $——
EMERYVILLE, Alameda Co., Cal.
Three-story mill constructed warehouse, 200x60, and two-story brick office building.
Owner—Sherwin & Williams, 454 2nd St., San Francisco.
Architect—Eng. Dept. of Owners.
It was stated in another report service that George Wagner, 251 Kearny St., San Francisco, had been awarded the contract on a percentage basis. This is not so and Mr. Wagner and the owners ask that it be denied.

Plans Being Prepared.
AUTO SALESROOM Cost, $15,000
COLUSA, Colusa Co., Cal. NW Market and Second Streets.
One-story frame and stucco auto salesroom, 100x120.
Owner—Frank L. Crayton, Colusa.
Architect—J. S. Gould, Colusa.

Contractors Taking Sub-Figures.
DEPARTMENT STORE Cost, $——
BAKERSFIELD, Kern Co., Cal.
Six-story Class "B" department store building.
Owner—E. W. Hopkins.
Architects—Bliss & Faylile, Balboa Bldg., San Francisco.

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

Contractor—Lindgren & Co., Monadnock Bldg., San Francisco.

The following sub-contracts have been awarded:

**Pumbing and Heating** to James & Drucker, 450 Hayes St.

**Reinforcing Steel** to Edw. L. Soule, Rialto Bldg.

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Plans Being Prepared.

ADDITION Cost $——

SAN FRANCISCO, N California W of Van Ness Ave.

Four-story reinforced concrete addition to auto sales building.

Owner—Chas. S. Howard of Howard Auto Co., 1595 Van Ness Ave.

Architect and Contractor—MacDonald & Kahn, Rialto Bldg.

Construction will be started in about thirty days.

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FRESNO, Fresno Co., Cal.—Ten lots in "J" street, running from the southwest corner of "J" and Inyo streets, have been purchased by William McIndoo and Ivan McIndoo, his son, on which they plan to erect a building with a 100 foot frontage. The nature of the building has not yet been decided upon.

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VALLEJO, Solano Co., Cal.—Percy Bernheim has purchased from the Bell Amusement Company the lot at the corner of Virginia and Marin streets and plans the erection of a new building, the nature of which has not yet been determined. The property covers an area of 75 by 180 feet.

## THEATRES

Plans Being Prepared.

ALTERATIONS Cost, $25,000

SAN FRANCISCO. W Powell Street near Market.

Alter for motion picture theatre (4000 seating capacity.)

Owner—Edison Moving Picture Co., 27 Powell St., San Francisco.

Architect—A. S. Heineman, Monadnock Bldg., San Francisco.

The building in which the present theatre is has been leased to the Pig'n Whistle Candy Co.

Plans will be ready for figures in about three weeks.

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VISALIA, Tulare Co., Cal.—Murray Bourne of Fresno, acting as attorney for I. M. Farnum, has filed application with the Board of Supervisors for a franchise to lay and operate a system of pipes for distributing natural gas throughout Tulare Co. The concern represented by Mr. Bourne, contemplates organizing a company to sell natural gas developed near Alpaugh, Corcoran and other places at wholesale to a distributing agent.

# ENGINEERING

## BRIDGES, DAMS & HARBOR WORK

EUREKA, Humboldt Co., Cal.—At the last meeting of the County Supervisors County Surveyor Logan reported that he will have the plans completed for the bridges on the Lord-Ellis road and the two bridges in the Mattole, in time for beginning work on the projects early in the Spring. Fred M. Kay is County Clerk.

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EUREKA, Humboldt Co., Cal.—A call for bids will be issued in the near future by the County Supervisors for the construction of a bridge across Camp Creek. Fred M. Kay is County Clerk.

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VISALIA, Tulare Co., Cal.—Concrete Pipe & Construction Co., of Porterville, N. F. Bell, manager, has been awarded the contract at $5039.84 to build concrete bridges and culverts on the Woodville-Poplar road, involving 308.74 cu. yds. concrete with 11 pipe installations, at $16 cu. yd. Engineer's estimate, $4,906.10. Other bids received by the county supervisors were: Edgar Noble, $6,946, unit price, $22.50; Geo. S. Benson & Sons, $8027.24, unit price, $26; Isbell Constr. Co., $8490.35, unit price, $27.50. Lawrence Moye, County Surveyor.

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PHOENIX, Ariz.—Until 2 P. M., Feb. 1, bids will be received by State Engineer Thos. Maddock at Phoenix, for constructing a bridge across the Gila river near San Carlos. Plans and specifications may be obtained on deposit of $5. Alternate bids on designs furnished by bidders will be considered. The bridge will be a combination wood and steel structure about 500 feet in length.

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SAN DIEGO, Cal.—United Dredging Co., Central Bldg., Los Angeles, submitted the lowest bid at $411,583.50 for dredging approximately 1,584,000 cu. yds. in three areas in San Diego harbor for the federal government. San Francisco Bridge Co., bid $457,559; Los Angeles Dredging Co., $600,256, and Fred C. Franck's Contracting Co., $612,374.40. There is an appropriation of $374,000 available. Major Frederick H. Downing, U. S. District Engineer at Los Angeles, will forward the bids to Washington with his recommendation.

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SAN FRANCISCO—The State Board of Harbor Commission has awarded the following contracts:

For furnishing materials and constructing bulkhead wharf in front of Pier 5, connecting the existing concrete bulkhead wharves at Piers No. 3 and No. 7.

Awarded to Healy-Tibbitts Constr. Co., 9 Main St., on their bid of $39,470.

For constructing a timber depressed track extension along the south side of Pier No. 5.

Awarded to A. Kitchen, 110 Market St., on his bid of $13,970.

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SACRAMENTO Cal.—The Board of Supervisors has received a letter from Colonel Louis H. Rand in which he says he will meet the supervisors and residents of Courtland and vicinity in Courtland when a site will be selected for the proposed bridge at that place. Rand says the meeting will be held the day preceding the meeting of the reclamation board in February. Rand explained that whatever decision may be reached will be subject to changes by the war department.

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SACRAMENTO, Cal.—To insure navigation all along the Sacramento River all the year round plans have been completed by the United States Army Engineers' office, 240 Montgomery St., San Francisco, and steps have been taken to present the proposition to the Washington authorities for confirmation and acceptance.

The plans involve a lock system including three locks, one this side of Sacramento City, one at Collins Eddy, and another at Moulton Weir.

## IRRIGATION PROJECTS

FRESNO, Fresno Co., Cal.—February 6th is the date set by the County Supervisors to vote on the formation of the proposed James Irrigation District.

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MODESTO, Stanislaus Co., Cal.—February 17th is the date set by the Directors of the Modesto and Turlock Irrigation Districts to decide the question of issuing and selling bonds with which to finance construction of the Don Pedro project estimated to cost several million dollars.

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for the formation of a new irrigation district are to be contained in articles of incorporation which will be filed with the Secretary of State in a few days by members of the newly-organized Capay Valley Ditch Company.

About fifty farmers comprise the company. The scheme provides ways and means for securing new irrigation service for 1,831 acres of as fine soil as is to be found in Yolo County.

Directors of the company are M. H. Stitt, B. F. Gibson, C. A. Fein, James Schaffer and S. Gladney. James Houx is Secretary.

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AUBURN, Placer Co., Cal.—The Pacific Gas & Electric Co., through its District Manager, H. M. Cooper, announces that extensive improvements soon will be under way on its irrigating system between Auburn and Newcastle and

south and east of Newcastle toward Folsom.

The improvement will take about two years to complete and will cost several hundred thousand dollars. The tunnel through Adams Hill, just below the Wise Power House, will be enlarged and the main ditch increased in size. A number of lateral ditches will also be run.

SACRAMENTO, Cal.—An application is being considered by the State Reclamation Board providing for the reclamation of approximately 14,000 acres of farming land in Sutter County, comprising District 1660, which was created by an act of the Legislature in 1915. A hearing on the proposed project has been set for January 31st.

According to report of the Engineer, J. C. Boyd, the work proposed by the district, together with the expense of maintenance for a period of three years, will involve expenditures of almost $2,000,000.

This includes a system of levees to be built at an estimated cost of more than $1,000,000, necessary drainage ditches and canals, and a large pumping plant.

Estimates place the cost of levee rights of way at $178,983, while an appropriation of $140,000 is allowed for the drainage plans.

The district is located directly north of District 1500 and to the east of District 70. The levee system has been planned to afford protection from the Sacramento River on the west, the Tisdale by-pass on the south and the Sutter by-pass on the east.

## LIGHTING SYSTEMS

WATTS, Los Angeles Co., Cal.—Plans and specifications for a new lighting system for the whole city of Watts have been approved and a resolution of intention adopted.

SAN MATEO, San Mateo Co., Cal.—The City Trustees have appointed a committee to secure data and estimates of construction for a modern street lighting system for the business district.

VISALIA, Tulare Co., Cal.—The Board of Trade has named a committee to secure data and estimates for a modern electrolier system in the business district. L. W. Chaffee, representing the Visalia Commercial Club is interested in the proposed system.

## MACHINERY

MONTEREY, Monterey Co., Cal.—Following bids were received by the Monterey City Council, Archie Kay, City Clerk, for furnishing and delivering a road grader:

The Austin Western Road Machinery Co., 20 Fremont St., San Francisco, $475 "Standard Aurora."

Smith, Booth, Usher Co., Rialto Bldg. San Francisco, $350 "National."

A. L. Young Machinery Co., 26 Fremont St., San Francisco, $465 "Russell."

Spears-Wells Machinery Co., 239 12th St., Oakland, $525 "Royal Scarifier and Grader."

All bids were taken under advisement until January 20th.

**TRACTOR CONTRACT AWARDED.**

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council has awarded a contract to the Holt Manufacturing Co., for furnishing and delivering a street tractor for use of the City Street Department, the bid being $5,000, less 5 per cent for cash. The C. L. Best Company of San Leandro submitted a bid of $5,750, less 5 per cent for cash.

SACRAMENTO, Cal.—Supervisor John Rossi and County Purchasing Agent George Vice have been authorized by the Supervisors to purchase a truck for District No. 4. Vice also was instructed to purchase for the county hospital a No. 14 Troy steel washer to cost $1971 and a Troy extractor to cost $876.

MODESTO, Stanislaus Co., Cal.—The City Council has accepted the offer of the Modesto Gas Company whereby the city can purchase street gas lighting standards on the monthly payment plans. W. O. Thompson is City Clerk.

## SEWERS, STREET WORK & WATER SYSTEMS

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, D. M. Barnwell, County Clerk, and Chris. P. Jensen, County Highway Engineer, up to February 3rd, 2 P. M., for improving county highways Routes 19, Section B; 25, Section A; and parts of Routes 20, Section A and B. Bids will be taken on four specifications as follows:

SPECIFICATIONS NO. 1.

Item 1. 10,710 cubic yards of earthwork without classification.

Item 2. 12,600 cubic yards of Portland cement concrete base.

Item 3. 816,680 square feet of asphalt wearing surface, Type A.

Item 4. ——— square feet of asphalt wearing surface, Type B.

Item 5.——— square feet of asphalt concrete pavement.

Item 6. ——— square feet of bituminous macadam.

Item 7. Total of 10 culverts.

Item 8. Total of 80 linear feet of railing.

SPECIFICATIONS NO. 2.

Item 1. 10,710 cubic yards of earthwork without classification.

Item 2. 12,600 cubic yards of Portland cement concrete base.

Item 3. ——— square feet of asphalt wearing surface, Type A.

Item 4. 816,680 square feet of asphalt wearing surface, Type B.

Item 5. ——— square feet of asphalt concrete pavement.

Item 6. ——— square feet of bituminous macadam.

Item 7. Total of 10 culverts.

Item 8. Total of 80 linear feet of railing.

SPECIFICATIONS NO. 3.

Item 1. 10,710 cubic yards of earthwork without classification.

Item 2. ——— cubic yards of Portland cement concrete base.

Item 3. ——— square feet of asphalt wearing surface, Type A.

Item 4. ——— square feet of asphalt wearing surface, Type B.

Item 5, 816,380 square feet of asphalt concrete pavement.

Item 6. ——— square feet of bituminous macadam.

Item 7. Total of 10 culverts.

Item 8. Total of 80 linear feet of railing.

SPECIFICATIONS NO. 4.

Item 1. 10,710 cubic yards of earthwork without classification.

Item 2. ——— cubic yards of Portland cement concrete base.

Item 3. ——— square feet of asphalt wearing surface, Type A.

Item 4. ——— square feet of asphalt wearing surface, Type B.

Item 5, 816,380 square feet of asphalt concrete pavement.

Item 6. ——— square feet of bituminous macadam.

Item 7. Total of 10 culverts.

Item 8. Total of 80 linear feet of railing.

**SEWAGE SYSTEM FOR VALLEJO.**

VALLEJO, Solano Co., Cal.—City Engineer T. D. Kilkenny has completed plans for an outfall sewer to serve the northeast section of the city. A wooden trestle 175 feet long is also included in the proposed work. Alf Edgcumbe is County Clerk.

SAN FRANCISCO—Bids for extensive improvements in the Civic Center have been ordered received by the Board of Public Works up to January 28th. Th work will consist of wrecking and restoring portions of two buildings owned by the Irving Estate to permit the extension of Hyde and Fulton streets into Market street. A considerable amount of street and grading work is also called for in the specifications. The work is estimated to cost $46,000 and the bond has been fixed at $11,500.

YREKA, Siskiyou Co., Cal.—No bids were received by the County Supervisors at their last meeting for the building of the Jones-Ankeny road and the matter has been laid over until the next meeting. W. J. Nellon is County Clerk.

TAFT, Kern Co., Cal.—At the request of J. T. Degman of the Romanite Paving Co., the City Trustees have cancelled the street paving contract awarded to the company. Litigation with the Willite Road Co. has made it impossible for the Romanite Company to proceed with the work.

The contract ran about $200,000. New bids will probably be called.

ALHAMBRA, Los Angeles Co., Cal.—Sealed bids will be received by the City of Alhambra up to 5 o'clock P. M., of the 2nd day of February, 1920, for furnishing the materials and performing the necessary construction for the improvement of North Fourth street between Woodward and Grand avenues in the City of Alhambra.

Plans, specifications and profiles for the said work are on file in the office of the City Engineer of Alhambra.

Grant M. Lorraine, City Manager.

PHOENIX, Ariz.—Shattuck-Edinger Co., Marsh-Strong Bldg., Los Angeles, submitted the only bid for the construction of the entire 278 miles of highway planned under the $4,000,000 bond issue of Maricopa County. The bid was on a cost plus 6 per cent basis.

the company to furnish all tools equipment, labor and materials and to accept gravel, rock and cement or cement only from the highway commission. A Mesa contractor submitted a bid on 12 miles of road in that vicinity of that town.

HANFORD, Kings Co., Cal.—The City Council has accepted the petition of property owners and has ordered the preparation of plans and specifications for the paving of Redington street, north from Sixth street to the north city limits. The street will be paved with 4 inches of black base and 1½ inches bitulithic top.

SANTA CRUZ, Santa Cruz Co., Cal.—Bids will be received by the County Supervisors, H. H. Miller, County Clerk, up to January 29th, 1 P. M., for the construction of about 3.43 miles of road between Watsonville and Chittenden in said County, in accordance with the plans and specifications prepared by Lloyd Bowman, County Surveyor.

UPLANDS, San Bernardino Co., Cal.—Until 7:30 P. M., February 2, new bids will be received by City Clerk Chas. P. Fuller for paving Euclid avenue between Tenth and Twenty-fourth streets. The east roadway will be paved 30 feet wide with 4 inches of concrete and the west roadway will be surfaced with ½-in. oil and rock screenings. The work will be done under the Improvement Act of 1911. F. C. Froedhe, City Engineer. Sandy Pearson of Venice, submitted the only bid at $416,807 on January 12 and it was rejected as too high.

RED BLUFF, Tehama Co., Cal.—The California Highway Commission has expressed its willingness to handle all of the construction of the proposed subway at Willard crossing south of Red Bluff, except that handled by the Southern Pacific Railroad Company, taking the work off of the hands of the County of Tehama, provided that Tehama County and the railroad company agree to this arrangement, the division of the cost to be made as heretofore fixed by a decision of the railroad commission in July, 1917, as follows: One-half by the railroad commission, one-fourth by the County of Tehama and one-fourth by the California Highway Commission.

SANTA ROSA, Sonoma Co., Cal.—The bid of the A. F. Tomasini Hardware Co., Petaluma, has been accepted by the County Supervisors for furnishing and delivering 41,050 barrels of cement for use on the county highway system.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 "H" Street, Fresno have been awarded the contracts for paving Section A, Route 5, Blackstone Ave., 5.35 miles, with black base and Warrenite top, at $96,078.32 and for paving Section A, Route 11, Elm Ave., 11.99 miles, with black base and Warrenite top at $228,660.69. Bids were received January 9 for these units of the county highway system on four specifications. The lowest average per mile of bids was as follows: Blackstone Ave.—Concrete base with Jensenite top, $27,130; concrete base with Warrenite top, $28,345; black base with Topeka top, $29,386; black base with Warrenite top, $17,959. Elm Ave.—Concrete base with Jensenite top, $30,526; concrete base with Warrenite top, $30,525; black base with Topeka top, $22,603; black base with Warrenite top, $17,959. Chris Jensen, County Engineer.

EUREKA, Humboldt Co., Cal.—The County Engineer has been instructed by the Supervisors to make a survey of the proposed road to run from the state highway below Miranda and to connect with the Salmon Creek-Elk Ridge road at the mouth of Salmon Creek. He will also survey the prospective bridge sites over the South Fork of the Eel River and Salmon Creek and make an estimate of the cost of the whole.

SACRAMENTO, Cal.—The City Commission has received a petition urging it to provide ways and means for the improvement at an early date of the proposed highway from Elvas station northerly across the American river to a junction with the Auburn boulevard.

SACRAMENTO, Cal.—The California Highway Commission has approved of the proposed construction of an undergrade crossing at the intersection of the Folsom road and the Southern Pacific railroad at Brighton, Sacramento County.

The plans will be forwarded to the State Railroad Commission for approval. The cost of the work will be borne by the County, State and railroads

SANTA ROSA, Sonoma Co., Cal.—The bid of A. J. Fairbanks, Willits, Cal., the only one submitted for the construction of Section B of the Petaluma to Sonoma highway, has been taken under advisement by the County Supervisors.

SANTA ROSA, Sonoma Co., Cal.—The bid of the California Corrugated Iron Culvert Co., 5th & Parker Sts., Emeryville, was the lowest submitted to the County Supervisors for furnishing and delivering a quantity of culvert pipe for use in the construction of county highways and this was accepted.

NAPA, Napa Co., Cal.—The County Engineer, at the last meeting of the County Supervisors, reported on the new road from Browns Valley to connect with road to Union Station, estimating the cost, including bridge, to be about $19,000. Further consideration of the matter was continued until January 27. James A Daly is County Clerk.

OAKLAND, Cal.—Bids will be received by City Council, L. W. Cummings, City Clerk, up to 12 M., January 29th, for the construction of cement concrete sidewalks, 5 feet in width, in Brookdale avenue between 35th and 38th avenues, where not already laid.

MODESTO, Stanislaus Co., Cal.—The City Council, W. O. Thompson, City Clerk, has adopted plans providing for the following street improvements and resolutions ordering the work will be passed in the near future:

Elmwood avenue, three blocks.

Thirteenth, between D and F, two blocks.

Fourteenth, between D and H, four blocks.

Fifth street, between H and L, four blocks.

Park avenue, from Stoddard to Needham, three blocks.

SAN RAFAEL, Marin Co., Cal.—January 26th is the date set by the Mayor and City Council, Eugene W. Smith, City Clerk, to hear the petition of property owners for the improvement of Sixth street from B street west to H street and on the Toll Road from Irwin street to the east limits of the city. It is probable that Richmondite paving will be used. The matter of Richmonditing E street from Sixth to First streets, Marin street from Clayton to Bay View, two blocks on Bay View street, three blocks on First street and one block on Welsh street will also be discussed. The Northwestern Pacific Railroad representative will also be present at the meeting to urge the Richmonditing of Tamalpais Avenue.

SAN RAFAEL, Marin Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for a concrete retaining wall under the municipal bathhouse. Eugene W. Smith, is City Clerk.

VALLEJO, Soano Co., Cal.—City Engineer T. D. Kilkenny has completed the drawings for his proposed shore line highway route from the foot of Georgia street out to Bay Terrace Annex and will submit the same to the city council for approval in the near future. Alf. E. Edgcumbe is City Clerk.

SEBASTOPOL, Sonoma Co., Cal.—The City Trustees are considering plans prepared by the Richmondite Paving Company for the paving of all streets leading to the county and state highways. According to City Consulting Engineer C. E. Mueller it is proposed that all streets be scarified and brought up to grade and then apply 1½ inches of hard rock. This will be rolled and then a coat of Richmondite paving will be applied at the ratio of a gallon to the square yard.

YREKA, Siskiyou Co., Cal.—City Engineer Sarter has been instructed by the City Trustees to prepare plans and specifications for the proposed sewer extension which will be run from Yama street up Pine to North to the city line, on Gold to Miner and up Miner.

U. F. Brown is City Clerk.

CARMEL, Monterey Co., Cal.—Bids will be received by the City Clerk up to January 20th, 8 P. M., for grading and graveling Casanova street between the south line of Ocean avenue and the north line of Thirteenth avenue, and between the south line of Ocean avenue and the north line of Santa Lucia avenue, and Carmelo street between the south line of Ocean avenue and the north line of Santa Lucia avenue.

Grace P. Wickham is City Clerk.

AUBURN, Placer Co., Cal.—The Auburn Commercial Club will meet with the City Trustees in the near future to discuss the proposed paving of Nevada and Sacramento streets.

It is planned to raise half the funds to finance the work under private subscription. Mary H. Wallace is City Clerk.

FAIRFIELD, Solano Co., Cal.—The City Attorney has been instructed by the Trustees to prepare proceedings providing for the construction of concrete sidewalks, where not already laid, in Union avenue.

**HIGHWAY CONTRACT AWARDED.**

TUCSON, Ariz.—Robert McKay and Robert McKay & Co. were awarded the contract for constructing approximately 21 miles of gravel surfaced road extending from Ajo southeast to Gunsight mines, including culverts, bridges and dips. Littlejohn & Singleton submitted the only other bid. The road is a part of the county highway to be constructed under the $1,500,000 bond issue.

ALPAUGH, Tulare Co., Cal.—The Thomas Haverty Co., 8th and Maple Sts., Los Angeles, submitted the only bid at about $20,800 for constructing a water distributing system for the town of Alpaugh in Water Works District No. 1. For furnishing and laying pipe the Haverty Co.'s bid was 58c for 5048 ft. 2-in. cast iron pipe; 99c for 5296 ft. 3-in. cast iron pipe; 94c ft. for 1899 ft. 4-in. cast iron pipe; $1.4685 ft. for 1705 ft. 6-in. cast iron pipe, and 9c ft. for 2000 ft. ¾-in. wrought iron service pipe. Its bid also includes $1.10 ft. for 1360 ft. 12-in. concrete pipe; $115 for a concrete standpipe and $1600 for a concrete circular pit 8 ft. diameter. A price of 12c lin. ft. is made for trenching and backfilling and $1500 for labor involved in removal and reinstallation of present pump and motor and other work. Lawrence Moye, Engineer. The bid was taken under advisement.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to February 2nd, for the construction of the county highway unit from Martinez to Dublin, a distance of 20 miles.

Specifications call for twenty foot highway, comprising 2 8-foot strips of concrete and a 4-foot black base strip running through the center. R. R. Arnold is County Engineer.

FAIRFIELD, Solano Co., Cal.—Bids will be received by the County Supervisors up to February 2nd, 11 A. M., from plans prepared by Architect C. E. Perry Jr., Vallejo, Cal., for the construction of a sewerage disposal system for the new county hospital.

Plans may be had from G. G. Halliday, County Clerk, at Fairfield.

SAN ANDREAS, Claaveras Co., Cal.—A. H. McCarty and A. F. Bonfilio, Mokelumne Hill, Cal., submitted the only bid to the County Supervisors, A. W. Poe, County Clerk, for graveling the Big Bar Grade between the Mokelumne River and the town of Mokelumne Hill and they will probably be awarded the contract.

EUREKA, Humboldt Co., Cal.—Bids will be received by J. P. Wunderlich, City Clerk, up to January 20th, 8 P. M., for the construction of wooden sidewalks 12 feet wide in portions of Buhne, Fairfield and Murray street.

FRESNO, Fresno Co., Cal.—Until February 3, bids will be received by the Supervisors of Fresno County for paving the Reedley-Parlier road, 10 miles in length. This stretch of road adjoins the paving on Adams Ave., for which Hugh Crummey has the contract.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. G. Faris, City Clerk, has awarded a contract to Galbraith & Janes, 156 S-14th St., Richmond, at $730.95 for paving the basement of the City Hall and constructing vaults.

E. F. Parker at $380 was given the contract for reconstructing the auto sheds in the rear of the City Hall, work to be completed in 30 days.

FAIRFIELD, Solano Co., Cal.—The contract for installing the water system for the new County Hospital has been awarded by the County Supervisors to E. E. Etherton, Monadnock Bldg., San Francisco, at $8,416, he being the only bidder.

HAYWARD, Alameda Co., Cal.—The Town Engineer has been instructed to prepare a report on the proposed widening of Watkins street before proceedings are started providing for the paving of that thoroughfare. M. B. Templeton is Town Clerk.

EL CENTRO, Imperial Co., Cal.—Sealed proposals will be received by the Board of Supervisors of Imperial County, until 2 o'clock P. M., on February 2, 1920, for the construction of approximately 26 miles of paved highway in Imperial County. Proposal blanks may be obtained at the office of the Highway Commission, Brawley, Cal., or at the office of the County Clerk, El Centro, Cal.

VISALIA, Tulare Co., Cal.—Concrete Pipe & Constr. Co., of Porterville, N. F. Ball, manager, was awarded the contract at $65,905.80 for paving 6 miles of county highway from Woodville to Poplar, involving (a) 5922 cu. yds. concrete paving at $8.90 cu. yd., and (b) 13,200 cu. yds. excavation at $1 cu. yd.; engineer's estimate, $60,915. Other bids received were: Geo. S. Benson & Sons, Los Angeles—(a) $9.30; (b) $1; total, $68,274.60. Isbell Constr. Co.—(a) $9.41; (b) $1; total, $68,926.02. J. Herdman—(a) $10.75; (b) $1.25; total $80,161.50. A. H. Vaughn—(a) $11.90; (b) $1.25; total, $86,971.80. Lawrence Moye, County Surveyor.

RICHMOND, Contra Costa Co., Cal.—The matter of improving Wall street from 41st street to the city limits has been referred by the City Council to the City Engineer for report. A. C. Faris is City Clerk.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to A. H. Kopperud, 2030 High St., Oakland, for the improvement of portions of 35th avenue by grading, constructing concrete curbs and gutters, cement sidewalks and paving with oil macadam.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council has awarded a contract to L. J. & T. A. Byrne, 46 Pacific, Santa Cruz, at $[illegible].35 for the construction of 299 feet of sewer in Fourth avenue, Seabright.

SACRAMENTO, Cal.—City Commissioner Carmichael has introduced a resolution to the City Commission asking the improvement of 29th street from "R" street to Seventon Boulevard. M. J. Desmond is City Clerk.

VALLEJO, Solano Co., Cal.—R. J. Blanco, Vallejo, submitted the lowest bid to the City Council, Elf E. Edgcumbe, City Clerk, for the paving of Hichborn street from Sacramento to Wilson at $39,195 and he will probably be awarded the contract. T. D. Kilkenny is City Engineer.

DAVIS, Yolo Co., Cal. Galloway & Markwart, Engineers, First National Bank Bldg., San Francisco, are completing plans which will be ready for figures in about a month for the proposed water works for the City of Davis, bonds for which $75,000 have been voted.

Plans include the sinking of two wells on property which the city will purchase. These wells will be driven and cased. Water will be pumped by two deep well pumps of a capacity of 500 gallons per minute, operated by electric motors. From the pumps water will pass to the mains or into an elevated water tank of possibly 100,000 gallons capacity and 100 feet high.

The distribution mains will cover the city and will consist of six inch supply mains arranged on the loop system. Smaller mains of not over 500 feet length will be 2" pipe. There will be about 25 hydrants, all on 6-inch mains.

For domestic service the water pressure will range around 40 pound pressure. For fire fighting purposes there will be placed in the pumping station a motor operated centrifugal pump which will take the water at 40 pounds pressure and raise it to 100 pounds pressure. This pump will be of 1000 gallons per minute capacity.

It is expected to connect this system with that of the University of California Farm for mutual advantage.

MANHATTAN BEACH, Los Angeles Co., Cal.—Thos. Haverty Co., Los Angeles, submitted a lump sum bid at $48,250 for relaying and re-caulking about 10 miles of city water mains with an alternate bid of cost plus 12½%. The Foundation Co., Holbrook Bldg., San Francisco, bid cost plus 10% and Fleming Construction Co. of Pomona, cost plus 10%. Bonds to the amount of $30,000 were voted for the work. The mains were caulked with lead'te when they were laid and are now leaking badly. They will be uncovered and recaulked with lead. Bids taken under advertisement until January 12. Victor H. Stahel, City Engineer.

VENTURA, Ventura Co., Cal.—Until 11 A. M., January 24, new bids will be received by Supervisors of Ventura County for paving Vineyard Ave., Wood road, Dempsey road and Gonzales road near Oxnard with Class A concrete 4-in. thick and 16 ft. wide, involving 5440 cu. yds. excavation, including borrow; 29,520 lin. ft. shaping and rolling roadbed; 5870 cu. yds. Class A concrete paving; 18½ cu. yds. Class A concrete for culverts and bridges, 120 ft. 12-in. and 30 ft. 18-in. corrugated metal pipe and 1000 lbs. reinforcing steel in place. Plans and specifications on file in the office of L.

E. Hallowell, Clerk, and Chas. Petit, county surveyor. Certified check for 10% required. Only one bid received for this work under a previous advertisement was rejected.

VENTURA, Ventura Co., Cal.—Until 10:30 A. M., January 24, bids will be received by Supervisors of Ventura County for paving Telephone road with 4 inches of concrete and constructing a concrete-lined storm ditch, the work involving 8850 cu. yds. excavation; 5240 cu. yds. concrete paving and 1310 cu. yds. concrete storms' ditch. Certified check for 10% required. L. E. Hallowell, Clerk; Chas. Petit, County Surveyor.

WHITTIER, Los Angeles Co., Cal.—The following blds were received by Board of Trustees of City of Whittier for cast iron pipe and fittings, boilers, pumps and electric generators for pumping domestic water to city and generating 200 K. W. electric current; J. B. Lippincott, Central Bldg., Los Angeles, Engineer:

Cast Iron Pipe and Fittings—American Cast Iron Pipe Co. (a) A. W. W. Ass'n., Std., total bid if 20-in. pipe bought, $127,334.08; freight at $23.08 per ton, $49,910.98; total if 24-in. pipe bought, $147,334.71; freight $57,789.73; (b) special strength pipe, total if 24-in. pipe bought, $145,963.70; freight, $46,794.13.

U. S. Cast Iron Pipe Co. (a) A. W. W. Ass'n., Std., total if 20-in. pipe bought, $127,626.67; (b) special strength pipe, total if 20-in. pipe bought, $134,693.60; freight, $50,555.96.

Pump and Boiler—Byron Jackson Iron Works, $6854; Thomas Haverty Co., $8470; Chas. Terry, $8588; American Pump Co., $8691.76; Jackson Church Co., $10,000; Erie Pump & Engine Works submitted a bid of $5180 without bond.

Boilers and Generator—Terry & Carpenter, Item 1, two boilers (Stirling) $18,070; Item 2, pump (Murry) $43,893; Item 3, turbo-generator (Kerr turbine, Allis-Chalmers generator) $16,911; Item 4, switchboard, $2400; total bid, schedule A, $81,274; bid for items 1 and 2, $61,963. Alternate bid: Item 1, Murry Iron Works, Foster boiler, $18,550; Item 2, two boilers, $80,000.

Thomas Haverty Co., Item 1, (Foster boiler), $15,250; Item 2, Laidlaw high-duty pumping engine, $57,-900; Item 3, turbo-generator (Kerr turbine; Allis-Chalmers generator), $14,800; Item 4, switchboard, $2321; total bid, schedule A, $90,271; bid for items 1 and 2, $73,150.

(26770) 1st report Mar. 15; 7th Dec.

SAN RAFAEL, Marin Co., Cal.—The City Council at its last meeting discussed the advisability of improving Sixth street, paving other streets in the city, placing a retaining wall at the baths, the erection of an open air platform and the building of a scenic road to the summit of San Rafael hill through Boyd Memorial Park.

The engineer was instructed to submit a report on the construction of a concrete storm sewer in Black Canyon, adjoining the hills and entering into the canal near the foot of Irwin St.

MODESTO, Stanislaus Co., Cal.—The City Council, W. O. Thompson, has authorized City Engineer Geo. H. Freitas to employ Professor Charles Gilman Hyde of the University of California as consulting engineer in the storm sewer work under the bond issue.

Plans for the improvement of Elmwood, Park, Fifth and Laurel streets will be submitted to the Council at its next meeting, according to Engineer Freitas.

BLYTHE, Riverside Co., Cal.—Money from the sale of $36,000 bonds voted for a municipal water system will be available in a few days and bids will be called for at once for pipe and equipment. Trenching and backfilling and other work will be done by force account. Bids will be asked for the following: 1645 ft. 1-in. and 11,550 ft. 2-in. black standard screw pipe; 3900 ft. 4-in. and 2350 ft. 6-in. 16-gauge riveted steel wrapped pipe; 436 ft. 8-in. and 1900 ft. 10-in. 14-gauge riveted steel wrapped pipe; 15 2-in., 6 4-in., 6 6-in., 1 8-in. and 2 10-in. valves; eight 4-in. fire hydrants; one centrifugal pump with capacity of 400 gallons per minute; one 25 H. P. oil burning engine; 100 ft. 16-in. well; 50,000 gallon steel or wood tank and 80-ft. tower. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, are the engineers.

TOMBSTONE, Ariz.—Geo. H. Oswald, O. T. Johnson Bldg., Los Angeles, submitted the lowest bid at $98,516.33 for paving Section 2B and McPeak & Dillon, 2415 Gramercy Park, Los Angeles, the lowest bid at $101,376 for paving Section 2A of the Bisbee-Douglas highway. Each section is about 4 miles in length and grading has been completed. A 6-in. concrete pavement will be laid, there being 47,137 sq. yds. on Section 2A, out of Bisbee, and 42,240 sq. yds. on Section 2B, out of Douglas. The state will furnish cement and the total cost of the roads based on the two low bids will be $270,812, an average of $33,851.50 per mile. Following are the bids received: Geo. H. Oswald, 2A, $109,401.60; 2B, $98,516.33, work to be completed in 90 days. McPeak & Dillon, 2A, $101,376; 2B, $113,128, work to be completed in 250 days. Eaton & Smith, 2A, $104,544; 2B, $115,485.65, no time limit mentioned. Thos. Maddock, State Engineer.

MARYSVILLE, Yuba Co., Cal.—The County Supervisors have instructed County Surveyor L. B. Crook, to prepare plans and specifications for the proposed macadamized road for a distance of five miles through District Ten and to submit the same to the State Highway Commission for approval. The Board plans on advertising for bids at the February meeting. Three types of road will be considered. The paved part of the road will be sixteen feet wide with two foot gravel edge on each side.

Wm. M. Strief is County Clerk.

OROVILLE, Butte Co., Cal.—The City Trustees have taken under advisement a proposition to utilize the gravel beds of the river in this vicinity for the purpose of using the rock therefrom as a foundation of the several new streets planned. It is planned to change the specifications of the road beds so as to permit the contractors the option of using gravel in place of crushed rock.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors have awarded a contract to Cy Moreing, Commercial & Savings Bank Bldg., Stockton, at $9,500 for the improvement of the Howland Road, about 1 mile in length, running parallel to the Southern Pacific tracks southwest of Lathrop.

Eugene D. Graham is County Clerk.

SANTA ROSA, Sonoma Co., Cal.—L. B. McGuire, Santa Rosa, has been awarded a contract by the City Council for furnishing and delivering f. o. b. Santa Rosa, 300 barrels of lime at $2.66 per barrel. Vida McL. Doggett is City Clerk.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Short street from Brookdale to Allendale avenue by grading; constructing concrete curbs, and gutters; cement sidewalks and paving with an oil-macadam.

OAKLAND, Cal.—Bids will be received by the City Council, L. W. Cummings, City Clerk, up to January 22nd, 12 M., for the improvement of Octavia street from southwest line of Penniman avenue to the northeast line of Allendale avenue by grading, constructing concrete curbs and gutters, cement sidewalks and paving with oil-macadam.

SAN LEANDRO, Alameda Co., Cal.—Bids will be received by the City Council, J. J. Gill, City Clerk, for the improvement of Williams street from the west line of Washington street to the west boundary line of the city by grading; installing redwood curbs, and paving with a macadam pavement.

R. H. Goodwin is City Engineer.

SAUSALITO, Marin Co., Cal.—The City Council is considering the widening of Oak Knoll Lane from seven to at least ten feet.

The matter of making permanent repairs to the Water street seawall was discussed at the last meeting with the decision that the Superintendent of Streets submit a report as to the probable cost of the work.

MARE ISLAND, Solano Co., Cal.—The Mare Island navy yard, in an effort to obtain an increased water supply made necessary by expansion of the yard, has rented the property of J. R. Wilson in Garden Valley, Napa County, twenty-five miles from here, to determine the feasibility of constructing a dam there. A preliminary investigation resulted in recommendations that a water supply be developed there, and surveys now will be made. The navy yard's present supply comes from the Vallejo municipal system.

RICHMOND, Contra Costa Co., Cal.—City Engineer H. D. Chapman is completing plans for the completion of paving in North Twenty-third street from the present terminal of the paved area northerly to the city boundary to connect with the State and County highways at San Pablo. Plans are also being completed by Engineer Chapman for a storm sewer that will extend down Tenth street to the bay at Ellis Landing and which will serve the entire central east side section of the city which at present is without a storm sewer.

OAKLAND, Cal.—The City Council is planning the widening of Fifteenth street between Broadway and Franklin streets, and has passed ordinances providing for the work. L. W. Cummings is City Clerk.

SAN RAFAEL, Marin Co., Cal.—The County Supervisors, Robert E. Graham, County Clerk, has granted permission to the Marin Municipal Water District to lay 700 feet of 8-inch main in the county road in the vicinity of Fairfax.

## FIRE EQUIPMENT

SANTA ROSA, Sonoma Co., Cal.—The Fire & Water Committee at the last meeting of the City Council was directed to prepare specifications for fire pumping engines of 500, 750 and 1000-gallon capacity.

On approval of specifications bids will be called.

# Official Proposals.

### BIDS WANTED FOR CLEARING SITE

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN that the Snow Mountain Water and Power Company will receive at its office, 216 Pine Street, San Francisco, California, **up to 2 o'clock P. M. of February 16th, 1920,** sealed bids for the clearing of the Gravelly Valley reservoir site, in Lake County, California, of all trees, brush, logs, etc., whether alive or dead, standing or fallen. Maps and specifications for the clearing of said reservoir site, are on file in the office of the Snow Mountain Water and Power Company in San Francisco, and Ukiah, California, to which all bidders are hereby referred.

The Company reserves the right to reject any and all bids.

Dated, January 15th, 1920.

SNOW MOUNTAIN WATER AND POWER COMPANY.

By W. S. Graham, General Manager.

### BIDS WANTED FOR ALTERATIONS TO SACRAMENTO POST OFFICE. INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 12, 1920.—SEALED PROPOSALS will be opened in this office at 3 **P. M., February 18, 1920,** for the extension, remodeling, etc., of the United States Post Office and Court House at Sacramento, Calif. Drawings and specifications may be obtained from the Custodian at Sacramento, Calif., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

### R. R. COMMISSION ORDERS SUBWAY CONSTRUCTION.

RICHMOND, Contra Costa Co., Cal.—The City of Richmond, the Southern Pacific Company and the San Francisco-Oakland Terminal Railways, in an order issued by the Railroads Commission are ordered to make improvements to the Macdonald Avenue subway to the extent of approximately $50,000. The order directs that the Southern Pacific, as its share of the improvement shall build an adequate pedestrian tunnel with sidewalk approaches on its right of way and station ground just north of the existing subway. The San Francisco-Oakland Terminal Railways must re-arrange and properly construct its track so as to have one track in each barrel of the subway and is to pave its tracks between the rails and two feet outside thereof to correspond with the paving placed by the city in the remainder of the subway. As its share of the improvement the City of Richmond is directed to acquire three and one-half lots on the northeast corner of 19th street and Macdonald avenue and grade and pave the subway approaches with grades not exceeding 5 per cent. The city is also required to extend the subway abutment walls as required by the changes in grade.

### LONG CONCRETE BRIDGE.

One of the longest reinforced concrete railway bridges in the world has just been completed in Sweden, crossing the Ore River. The arched span of of the new bridge measures 297 feet 6 inches, and it is built to carry trains running at speeds above 60 miles an hour, with axle loads of 20 tons. The construction cost nearly $560,000, the original estimate, made before the war, being $227,800.—Popular Mechanics Magazine.

### A GOAL FOR ANY MAN.

While walking through a crowded
downtown street the other day,
I heard a little urchin, to his comrade
turn and say:
"Say, Jimmie, let me tell youse, I'd be
as happy as a clam,
If I only was the feller dat me mudder
thinks I am."

My friends, be yours a life of toil, or
undiluted joy,
You can always learn a lesson from
this small, unlettered boy;
Don't try to be an earthy saint with
your eyes fixed on a star,
Just try to be the feller that your
mother thinks you are.

—Ray B. Aythfloor.

### S. P. HAS CHAMPION INVENTOR.

Thomas Edison, Henry Ford and Luther Burbank had better look to their laurels. The Southern Pacific has among its inventive geniuses Frank V. Carman, superintendent of the company's West Oakland mill. Carman recently patented his forty-sixth invention, thereby improving on his record of one invention for each of his forty-five years' service with the company.

He began his railroad career with the establishment of the mill in 1875, starting as a cabinet maker. Today, at the age of 68, he is well and vigorous, and still is working on many important problems and labor-saving devices.

The plant at West Oakland, under the Stores Department, supplies all the mill work for the entire Pacific System, including all stations, terminal buildings, roadway signs, wooden bridges, tank material, etc. Of historical interest in the fact that Superintendent Carman personally did most of the interior inlaid work on the Stanford, Crocker, Huntington and Hopkins homes, and also of California's famous resort hotels like the Del Monte.

Carman's inventions all deal with problems affecting the output of his mill, and by reason of which the Southern Pacific plant has become one of the most effective in the country, with an output of ten million feet of lumber a year.

As an example a new machine for making spike plugs will turn them out 12,000 an hour, faster than they can be counted.

Other Carman devices automatically turn out surveyors' stakes, lumber car stakes, trace profiles of worn rails, turn waste logs into cattle guards and other useful articles, simply and economically.

### "MOVIE CITY" FOR CONTRA COSTA COUNTY.

MARTINEZ, Contra Costa Co., Cal.—A thousand acres of wooded slopes in the Contra Costa foothills known as the "Country Club," have been purchased as a setting for film plays to be made by a new corporation the Diana Motion Picture Company of Los Angeles. Lorimer Johnson, who is president and director-general of the company, is a former leading man at the Alcazar Theatre in San Francisco. Crane Wilbur, actor and playwright is first vice-president, and other officers include Edward Cozen, second vice-president, and Judge Lewis R. Works, secretary and treasurer.


# Permutit

Trade Mark Reg. U. S. Pat. Off.

## The Water-Softening FILTER

Makes the Hardest Water Absolutely Soft for Your Home.

What users say about "Permutit"

"I would not be without my Permutit filter for five times what it cost."

"My boy takes entire charge of the Permutit filter."

"We all enjoy the use of this soft water.

"The luxury of a shower or tub bath taken in this water cannot be described in mere words."

**San Francisco Phone—Doug. 1539.**

Pacific Coast Offices:

**484 Wright-Callender Bldg, Los Angeles**

**220 Sheldon Bldg., San Francisco, Calif.**

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| | | | |
|---|---|---|---|
| 83 | Tong | Owner | 900 |
| 84 | Hornlein | O'Neill | 500 |
| 85 | McComber | Owner | 900 |
| 86 | Polodori | Cohn | 8000 |
| 87 | San Mateo Meat | Owner | 500 |
| 88 | Jepson | Moller | 995 |
| 89 | Delleon | Schultz | 800 |
| 90 | Smith | Owner | 2500 |
| 91 | Jewell | Botts | 8500 |
| 92 | Schaller | O'Neill | 29000 |
| 93 | William | Williams | 4000 |
| 94 | Phillips | Owner | 3500 |
| 95 | Parkside | Rogers | 6600 |
| 96 | Corvin | Schell | 8000 |
| 97 | Goldberg | Healing | 690 |
| 98 | Kleiber | —— | 18000 |
| 99 | Urban | Duncan | 5500 |
| 100 | Urban | Duncan | 6400 |
| 101 | Urban | Duncan | 10000 |
| 102 | Niebaum | Gompertz | 750 |
| 103 | Joyce | Kelly | 6800 |
| 104 | Scharetg | —— | 10000 |
| 105 | Longo | Smith | 1365 |
| 106 | Koerber | Knittle | 2470 |
| 107 | Dunne | Jensen | 10300 |
| 108 | Lange | Owner | 12000 |
| 109 | Grace | Monson | 6700 |
| 110 | Nelson | Collman | 9000 |
| 111 | Franusich | Standard | 900 |
| 112 | Lipton | Cameron | 1000 |
| 113 | Sterling | Urfer | 900 |
| 114 | New Method | Cavanaugh | 3000 |
| 115 | Powell | Sullivan | 3000 |
| 116 | Mailliard | Braas | 4038 |
| 117 | Hornlein | Owner | 750 |
| 118 | Eress | Olsen | 640 |
| 119 | Houston | Anderson | 745 |
| 120 | Williams | Williams | 16000 |
| 121 | Kruse | Ludwig | 4000 |
| 122 | Schmidt | Owner | 50000 |
| 123 | Horton | Owner | 30000 |
| 124 | Murphy | Jensen | 500 |
| 125 | O'Connor | Owner | 1500 |
| 126 | Pac. G. & E. | —— | 60000 |
| 127 | Wolking | Zinkand | 900 |
| 128 | Petersen | Petersen | 2000 |
| 129 | Sandy | Petersen | 9800 |
| 130 | State Cal. | Parker | 185000 |
| 131 | Rothenberg | —— | 31000 |
| 132 | Williams | Filippis | 10000 |
| 133 | Wahlgreen | Morra | 1500 |
| 134 | Jewell | Botts | 8182 |
| 135 | Jepson | Moller | 1295 |

#### PERMITS.

ALTERATION
(83) NO. 953 DUPONT ST. (GRANT Ave.) Change position of fire escape ladder, electric work, plastering, etc., for society rooms.
Owner—Lum Sai Hoo Tong, 953 Dupont, San Francisco.
Architect—W. H. Crim, Jr., 425 Kearny, San Francisco.
COST, $900.

ALTERATION
(84) NW ELLIS AND STOCKTON. Remove curtain wall between concrete columns in first floor of Ellis street side.
Owner—H. A. Hornlein, 15 Stockton, San Francisco.
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.
Contractor—Daniel O'Neill, 273 Minna, San Francisco.
COST, $500

ALTERATION
(85) NO. 1220 FULTON. New front, steps, plumbing, etc., for two flats.
Owner—E. H. McComber, 1161 Hayes, San Francisco.
Architect—None.
Day's work. COST, $900

SHOP
(86) S MISSION 225 W 8th. One-story brick repair shop.
Owner—N. Polodori.
Architect—S. Heiman, 57 Post, San Francisco.
Contractor—L. J. Cohn, Merchants' Exchange Bldg., San Francisco.
COST, $8000

BOARD FENCE
(87) NW OAKDALE AND QUINT. Erect board fence around stock corral.
Owner—San Mateo Meat Co., 1500 Evans Ave., San Francisco.
Architect—None.
Day's work COST, $500

UNDERPIN
(88) S POST 164 E Van Ness Ave. Underpinning for apartment house.
Owner—Flora B. Jepson, Funston Apts., Bush and Polk, S. F.
Architect—None.
Contractor—Fred Moller, 572 Haight, San Francisco.
COST, $995

GARAGE
(89) N PACIFIC 50 W Franklin. One-story private garage.
Owner—A. Delleon, 839 Phelan Bldg., San Francisco.
Architect—Arthur G. Scholz, 839 Phelan Bldg., San Francisco.
Contractor—Schultz Construction Co., 46 Kearny, San Francisco.
COST, $800

FRAME DWELLING
(90) W CURTIS 23 S Rolph. One-story and basement frame dwelling.
Owner—Martin Smith, 114 Girard St., San Francisco.
Architect—None.
Day's work. COST, $2500

OFFICE, ETC.
(91) E POTRERO AVE — S Serpentine. One-story concrete offices and pattern vaults.
Owner—Jewell Steel & Malleable Co., 1375 Potrero Ave., San Francisco.
Architect—Ward & Blohme, 454 Pine St., San Francisco.
Contractor—Botts & Browne, 1520 1st Ave., Oakland.
COST, $8500

FRAME RESIDENCE
(92) N SEA CLIFF bet 26th and 27th Aves. Three-story and basement frame residence.
Owner—Dr. Walter F. Schaller, 909 Hyde St., San Francisco.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Thomas P. O'Niell, 2517 19th St., San Francisco.
COST, $29,000

FRAME DWELLING
(93) S WESTWOOD 33 E Elwood Way One-story and basement frame dwlg.
Owner—Isabella Stuart Williams, 4388 View Ave., Oakland.
Architect—None.
Contractor—Chas. C. Williams, Syndicate Bldg., Oakland.
COST, $4000

ALTERATIONS
(94) NO. 3016 WASHINGTON. Alter residence into 2 flats.
Owner—Miss Hannah Phillips, Prem.
Architect—L. M. Wiseman, 1955 Market St., San Francisco.
Day's work. COST, $3500

#### RECORDED.

FRAME RESIDENCES
(95) W THIRTY-THIRD AVE 175 N Ulloa N 50xW 118. All work for two one-story frame residences.
Owner—Parkside Realty Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—John B. Rogers and E. Cox
Filed Jan. 12, '20. Dated Jan. 7, '20.
Frame work completed.....$1650
Brown coated ..... 1650
Completed and accepted..... 1650
Usual 35 days..... 1650
TOTAL COST, $6600
Bond, $3300. Surety, New Amsterdam Casualty Co. Limit, 90 days. Forfeit, $2.50. Plans and specifications filed.

FLATS
(96) E ASHBURY 50 S Fulton. Two-story and basement frame (2) flats.
Owner—Harry Corvin, care contractor.
Architect—None.
Contractor—S. Schell, 180 Jessie, San Francisco.
COST, $8,000

ALTERATION
(97) NO. 433 BRODERICK. Change front of present store for living rooms.
Owner—L. Goldberg, 900 Bush, San Francisco.
Architect—None.
Contractor—Geo. Healing, 110 Jessie, San Francisco.
COST, $690

SHOP
(98) SW FOLSOM AND JUNIPER. One-story brick shop.
Owner—Kleiber & Co., Inc., 1480 Folsom, San Francisco.
Architect—Richard tum Suden, 1480 Folsom, San Francisco.
COST, $18,000

DWELLING
(99) N HEAD 64 W ASHTON. One and one-half story and basement frame dwelling.
Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.
Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.
Contractor—W. C. Duncan Co., 85 Cerritos Ave., San Francisco.
COST, $5,500

GARAGE
(100) N HEAD 110 W Ashton. One-story and basement frame dwelling and one-story frame (private) garage.
Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.
Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.
Contractor—W. C. Duncan Co., 85 Cerritos Ave., San Francisco.
COST, Dwelling, $6,000; garage, $400

DWELLING
(101) SW OCEAN AVE. AND VICtoria. One and one-half story and basement frame dwelling.
Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.
Architect—C. E. Gottschalk, 958 Phelan Bldg., San Francisco.
Contractor—W. C. Duncan Co., 85 Cerritos Ave., San Francisco.
COST, $10,000

ALTERATION
(102) NO. 230 SPEAR. Remove wood and replace with concrete floor for factory.
Owner—Gustav Niebaum Estate, Alaska Commercial Bldg., San Francisco.
Architect—None.
Contractor—Chas. W. Gompertz, 110 Jessie, San Francisco.
COST, $750

DWELLING
(103) LOT 26, BLK. 26, ST. FRANCIS Gardens. Two-story and basement frame dwelling.
Owner—Mrs. Estelle S. Joyce, Marquette Apts., San Francisco.
Architect—None.
Contractor—R. H. Kelly, 1138 Stanyan, San Francisco.
COST, $6,800

GARAGE
(104) N TWENTY-SECOND —— W Minnesota. One-story concrete (private) garage.
Owner—Geo. Scharetg & Sons, 1100 23rd, San Francisco.
Architect—None.
COST, $10,000

ALTERATIONS
(105) ALABAMA AND TWENTY-first streets. Alterations and repairs to building.
Owner—Andrea Longo.
Architect—None.
Contractor—Chas Smith and Sam Horlick.
Filed Jan. 13, '20. Dated Jan. 13, '20.
On January 18, 1920 .....$450
Completed and accepted ..... 460
Usual 35 days ..... 465
TOTAL COST, $1365
Bond, Sureties, Forfeit none. Limit, February 15, 1920. Plans and specifications filed.

HEATING PLANT
(106) SE ELLIS AND DEVISADERO 37-6 on Devisadero and 100 on Ellis. All work for steam heating plant, steam pipes and oil burning apparatus for building.
Owner—Sophia Koerber.
Architect—John F. Beuttler, 110 Sutter, San Francisco.
Contractor—Knittle-Cashel Co., 1822 Ellis, San Francisco.
Filed Jan. 13, '20. Dated Dec. 30, '19.
Work completed .....$1230
Work accepted ..... 620
Usual 35 days ..... 620
TOTAL COST, $2470
Bond, Sureties, Forfeit, none. Limit, 60 days. Specifications only filed.

**PERMITS.**

LITHOGRAPHING PLANT
(107 S FOLSOM 200 W First. One-story concrete lithographing plant.
Owner—Catherine Dunne Co., Cr. Contractor.
Architect—Alfred Kuhn, Commercial Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market, San Francisco.
COST, $10,300

FRAME APARTMENTS
(108) E FORTY-FIRST AVE 125 N Cabrillo. Two-story and basement frame (4) apartments.
Owner—Wm. F. Lange, 778 41st Ave., San Francisco.
Architect—None.
Day's work. COST, $12,000

CONCRETE WORK
(109) S KING 25 E 2nd. Concrete slab under tank, fire walls, etc.
Owner—W. R. Grace Co., 332 Pine, San Francisco.
Architect—David C. Coleman, 20 Montgomery, San Francisco.
Contractor—Monson Bros., 1907 Bryant, San Francisco.
COST, $6700

SHOP
(110) E SIXTH 125 S Bryant. One-story brick shop.
Owner—Chas. F. Nelson, 110 Jessie, San Francisco.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Contractor—A. D. Collman, 110 Jessie, San Francisco.
COST, $9000

ALTERATION
(111) NO. 1442-44 FILLMORE. Erect balcony, new floor for restaurant.
Owner—Ivan Franusich, Premises.
Architect—None.
Contractor—Standard Woodworking Co., 1675 Mission, San Francisco.
COST, $900

ELEVATOR WORK
(112) NO. 561 MISSION. Install freight elevator, construct pit, etc.
Owner—Lipton Tea Co., Premises.
Architect—None.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.
COST, $1000

ALTERATION
(113) NO. 548 MARKET. Install plate glass front.
Owner—Sterling Realty Co., 201 Flatiron Bldg., San Francisco.
Architect—None.
Contractor—Chas. E. Urfer, 134 Halleck, San Francisco.
COST, $900

CISTERN
(114) DORLAND AND SANCHEZ STS. (rear), construct reinforced concrete cistern 8 feet deep, 14 feet wide and 44 feet long.
Owner—New Method Laundry, Prem.
Architect—C. J. Colley, 3166 Washington, San Francisco.
Contractor—Thos. Cavanaugh, Builders Exchange, San Francisco.
COST, $3000

UNDERPIN
(115) W POWELL 75 N Eddy. Underpin south wall of Turpin Hotel.
Owner—Powell-Street Investment Co. Flatiron Bldg., San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—D. J. & T. Sullivan, 1942 Folsom, San Francisco.
COST, $3000

**RECORDED.**

OFFICE PARTITIONS, ETC.
(116) SW CALIFORNIA AND FRONT. All work for office partitions, cases and fixtures for building.
Owner—Mailliard & Schmeidell, 230 California, San Francisco.
Engineer—Maurice C. Couchot, 110 Sutter, San Francisco.
Contractor—Braas & Kuhn Co., 1916 Bryant St., San Francisco.
Filed Jan. 14, '20. Dated Jan. 12, '20.
Completed and accepted .....$4038
TOTAL COST, $4038
Bond, $1000. Certified Check. Limit, 40 days. Forfeit, none. Plans and specifications filed.

**PERMITS.**

ALTERATION
(117) NW ELLIS AND STOCKTON. Remove one curtain wall on 1st floor, tile floor and erect partitions.
Owner—Hornlein Investment Co., Prem.
Architect—G. A. Applegarth, 1800 Claus Spreckels Bldg., San Francisco.
COST, $750

RAISE
(118) NO. 132 LOBOS AVE. Raise cottage, new concrete foundation.
Owner—W. Eress, Premises.
Architect—None.
Contractor—Olaf Olsen, 41 De Wolf, San Francisco.
COST, $640

UNDERPIN
(119) S POST 189 E Van Ness Ave. Underpin wall of present building.
Owner—Albin J. Houston, Clift Hotel, San Francisco.
Architect—None.
Contractor—N. Anderson, Builders' Exchange, San Francisco.
COST, $745

DWELLINGS
(120) S WESTWOOD 64, 97, 128, 159 E Elwood. Four one-story frame Dwellings.
Owner—Isabella Stuart Williams, 4338 View St., Oakland.
Architect—None.
Contractor—Chas. C. Williams, 503 Syndicate Bldg., Oakland.
COST, $4000 each

**RECORDED.**

**(Correction. Date of Signing Omitted)**

INCINERATOR
(121) NE TWENTY-THIRD AND Treat Ave. An incinerator.
Owner—J. H. Kruse, Premises.
Architect—None.
Contractor—Ludwig & Masow.
Filed Jan. 15, '20. Dated Dec. 27, '19.
Every two weeks .....75%
Usual 35 days .....25%
TOTAL COST, $4000
Bond, Sureties, Forfeit, Limit, none. Plans only filed.
NOTE: Permit reported Dec. 11, 1919; No. 2707.

**PERMITS.**

ALTERATIONS
(122) NE BRYANT AND SECOND. New partitions, stairs, elevators, toilet rooms, and mezzanine floor.
Owner—Schmidt Lithograph Co., Prem.
Architect—None.
COST, $50,000

RESIDENCE
(123) SW BALBOA AND FOURTEENTH Ave. Two-story and basement frame residence.
Owner—Chas. C. Horton, 9 Main St., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
COST, $30,000

GARAGE
(124) NO. 117 FAIR OAKS. One-story (private) garage.
Owner—John J. Murphy, Premises.
Architect—None.
Contractor—A. Jenson, 60 Fair Oaks, San Francisco.
COST, $500

DWELLING
(125) NW GOETTINGEN AND WOOLSEY. One-story and basement frame dwelling.
Owner—Edw. J. O'Connor, 551 Goettingen, San Francisco.
Architect—None.
COST, $1,500

GARAGE
(126) SE HOWARD AND FIFTH. Three-story and basement concrete (private) garage.
Owner—Pacific Gas and Electric Co., 445 Sutter, San Francisco.
Architect—Wm. Knowles, 1301 Hearst Bldg., San Francisco.
Contractor—Various.
COST, $60,000

FOUNDATION
(127) NO. 312 LILY AVE. Concrete foundation and general repair for two flats.
Owner—Henry Wolking, 303 Webster, San Francisco.
Architect—None.
Contractor—Ed. Zinkand & Son, 434 10th, San Francisco
COST, $900

ALTERATIONS
(128) NO. 2582 MISSION. Alterations for show windows.
Owner—A. H. Petersen, 2511 Mission, San Francisco.
Architect—None.
Contractor—Antone Petersen 2722 San Bruno Ave., San Francisco.
COST, $2,000

ALTER AND ADD
(129) NO. 2474 MISSION. New store front and addition to present bldg.
Owner—Geo. H. Sanuy, Premises.
Architect—None.
Contractor—Antone Petersen, 2722 San Bruno Ave., San Francisco.
COST, $9800

CEMENT WORK
(130) POLK - McALLISTER - LARKIN and Redwood Ave. Cement work only for State Building.
Owner—State of California.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—K. E. Parker Co., 519 California, San Francisco.
COST, $185,000

GARAGE
(131) S WASHINGTON 31-' E Lyon. Two-story and basement, reinforced concrete garage.
Owner—Louis Rothenberg, Bankers' Investment Bldg., San Francisco.
Architect—Frederick H. Meyer, Bankers' Investment Bldg., S. F.
COST, $34,000

ALTERATION
(132) E STOCKTON 42 N Jackson. New store front and erect addition to present factory.
Owner—H. Williams & Co., 1108 Stockton, S. Francisco.
Architect W. Wilde, Nevada Bank Bldg., San Francisco.
Contractor—V. Filippis, 1526 Powell, San Francisco.
COST, $19,000

**RECORDED.**

FOUNTAINS
(133) EXPOSITION AUDITORIUM, Civic Center. Modelling, casting, plaster composition and erection of 8 fountains.
Owner—G. A. Wahlgreen, Chronicle Bldg., San Francisco.
Architect—Ward & Blohme, 454 California, San Francisco.
Contractor—J. J. Morra and Henry Gregoire, Co-partners (as Morra & Gregoire.)
Filed Jan. 16, '20. Dated Jan. 16, '20.
Completed and accepted.....$1125
**30 days after**..... 375
TOTAL COST, $1500
Bond, none. Limit. Work completed, assembled and ready for erection Feb. 15th; ready for acceptance, Feb. 21, 1920, 8 A. M. Forfeit, none. Plans and specifications filed.

OFFICE, ETC.
(134) LOTS 4, 5, 8 and E 30 feet Lot 9 Pereita Valley Lands. All work for one-story office and pattern vault

building and addition to present building.
Owner—Jewell Steel & Malleable Co., 1875 Potrero Ave., San Francisco.
Architect—Ward & Blohme, 454 California, San Francisco.
Contractor—J. W. Botts and R. C. Browne (as Botts & Browne), 1520 1st Ave., Oakland.
Filed Jan. 16, '20. Dated Jan. 15, '20.
Grading completed, foundations and 1st floor slabs done.....$ 750
Concrete done.....1500
Roofing, flooring, plaster and sheet metal done.....1500
Completed and accepted.....2387
36 days after.....2045
TOTAL COST, $8182
Bond, $4091. Sureties, Manuel D. Avilla and L. De Luca. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 13, 1920, No. 91.

UNDERPINNING
(135) NO. 1151 POST. All work for underpinning of West wall of brick building.
Owner—Flora B. Jepson, Funston Apts. Bush and Polk, San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Fred Moller, 572 Haight, San Francisco.
Filed Jan. 17, '20. Dated Jan. 10, '20.
Completed.....75%
On presentation of paid bills..25%
TOTAL COST, $1295
Bond, limit, forfeit, none. Plans and specifications none.

## COMPLETION NOTICES

### San Francisco County

Jan. 10, 1920—SE COR. PIER NO. 34. Western Pacific Railroad to Hyde Harjes & Co.....Dec. 31, 1919
Jan. 13, 1920—NE PACIFIC & VAN Ness Aves N 91-8xE 107-6. M. L. Levy to W. D. Henderson. Jan. 12, 1920
Jan. 13, 1920—W TENTH 150 S Folsom S 50 W 99 N 100 E 189. United States Metal Products Co. to Samuel Schell.....Jan. 12, 1920
Jan. 13, 1920—NE PACIFIC AND Van Ness Aves N 91-8xE 107-6. M. L. Levy to Frederick W. Snook.....Jan. 8, 1920
Jan. 12, 1920—SEAWALL, LOT 23, Blk. 353. Walker D. Hines, Director General of Railroads to J. P. Holland.....Jan. 6, 1920
Jan. 12, 1920—NO. 3007 JACKSON. J. F. C. Hagens to Chas. Stockholm & Sons.....Jan. 7, 1920
Jan. 13, 1920—NE PACIFIC AND VAN Ness Aves N 91-8xE 107-6. M. L. Levy to Decker Elec. Constr. Co.....Jan. 10, 1920
Jan. 14, 1920—E SECOND 127 S Harrison S 67xE 135. L A Giacobbi to Decker Elec. Co.....Jan. —, 1920
Jan. 14, 1920—E SECOND 127 S Harrison S 67xE 135. L A Giacobbi to N George Weinholtz.....Jan. 8, 1920
Jan. 14, 1920—NW POST AND DIVISADERO. N Gray & Co to whom it may concern.....Jan. 7, 1920
Jan. 14, 1920—PTN LOTS 11 TO 13 Blk 3177, Westwood Park. Hans Nelson to Nelson Bros. Dec. 18, 1919
Jan. 14, 1920—LOT 4 BLK 3175, Westwood Park. Wm J and Henry C Mangels to Mangels Bros. Jan 14, 1920
Jan. 15, 1920—W TWENTY-EIGHTH Ave 140 N Anza N 25xW 120. Ulysses S Simonds to whom it may concern.....Jan. 12, 1920
Jan. 16, 1920—LOT 11 Lincoln Manor No. 3536 Clement St. Edw. T. and Calire H Maples to S A Born Bldg Co.....Jan. 10, 1920
Jan. 16, 1920—NE SIXTH AND FOLSOM 50xx80. Sheyer & Schwartz to whom it may concern..Jan. 16, 1920
Jan. 16, 1920—W THIRTY-SIXTH Ave 150 N Cabrillo N 25xW 120. John Pratt to whom it may concern.....Jan. 14, 1920
Jan. 16, 1920—LOT 37 BLK 2919A West Portal Park and that Ptn Lot 36 comg at SW Lot 37 S 6.666x E 100. Jeanette M Wolf to whom it may concern.....Jan. 8, 1920
Jan. 16, 1920—SE MISSION AND Powers E 83-6xS 25. Annie A Bunyan to Barrett & Hilp..Dec. 31, 1919

## LIENS FILED.

### San Francisco County.

Jan. 13, 1920—SE SIXTEENTH AND Albion Ave E 25xS 80. Chas Rehn vs S H Ewell & Jakob Yung..$726.95

## BUILDING CONTRACTS

### Alameda County

| | | | |
|---|---|---|---|
| 1133 | Trahan | Vaughn | 3500 |
| 87 | Prince | Owner | 600 |
| 84 | Batten | Owner | 400 |
| 85 | Woolsey | Long | 6400 |
| 86 | Freeland | White | 2800 |
| 87 | Stenbro | Stenbro | 2500 |
| 88 | Same | Same | 5000 |
| 89 | Walker | Durham | 600 |
| 90 | Chevrolet | Owner | 1000 |
| 91 | De Vaux | Knight | 1500 |
| 92 | Benson | Benson | 2900 |
| 93 | Dolar | Dolar | 2500 |
| 94 | Lesure | Lesure | 5000 |
| 95 | Ornbaum | Berry | 400 |
| 96 | Foster | Reese | 3000 |
| 97 | Church | Butterfield | 9650 |
| 98 | S P Co | Tibbitts | —— |
| 99 | Kniese | Bassett | 1645 |
| 100 | Bank of S L | Fink | 8400 |
| 101 | Hebeiser | Pinkerton | 3600 |
| 102 | Wolfe | Morris | 12000 |
| 103 | Erickson | Owner | 2000 |
| 104 | Andersen | Andersen | 7000 |
| 105 | Lakeshore Hghlds | Strang | 6000 |
| 106 | Ashmes Tmpl Ass'n | Owner | 2900 |
| 107 | Smith | Olson | 5300 |
| 108 | Larsen | Larsen | 3500 |
| 109 | Nye | Sheridan | 595 |
| 110 | Coll | Rush | 500 |
| 111 | Duchenean | Thompson | 500 |
| 112 | Pac Coast Borax | Stewart | 4000 |
| 113 | Kohl | Burton | 3000 |
| 114 | Bagley | Bagley | 1000 |
| 115 | Flandert | Warren | 1500 |
| 116 | Lewis | Kellogg | 500 |
| 117 | MacGregor | Owner | 3900 |
| 118 | Same | Same | 3900 |
| 119 | Newman | Schwalm | 9797 |
| 120 | Gimbal | Gimbal | 11500 |
| 121 | Houch | Houch | 5000 |
| 122 | Hally | Graff | 8000 |
| 123 | Pacific Stl & Wire | Muller | 28000 |
| 124 | Lueddeke | Zimmer | 2400 |
| 125 | Gastman | Gastman | 600 |
| 126 | Daniels | Daniels | 500 |
| 127 | Hogan | Kulchar | 800 |
| 128 | Maasberg | Owner | 4000 |
| 129 | Brown | Brown | 800 |
| 130 | Pfrang | Pfrang | 3800 |
| 131 | Un Blind & Ladder | Owner | 2750 |
| 132 | Beandry | Fink | 500 |
| 133 | Nicholas | Kulchar | 1000 |
| 134 | Curtain | Pedgrift | 500 |
| 135 | Rudolph | Owner | 5000 |
| 136 | Silva | Silva | 500 |
| 137 | Franklin | Bay | 1400 |
| 138 | Jacobs | Whalen | 12500 |
| 139 | Stoner | Owner | 2000 |
| 140 | Schaffer | Magneson | 1500 |
| 141 | Waterfront Sash | Owner | 9000 |
| 142 | Same | Same | 9000 |
| 143 | Shirk | Scammon | 2000 |
| 144 | Long | Sheridan | 4000 |

ADDITION
(83) N E-ELEVENTH AND TWENTY-NINTH Ave., Oakland. One-story brick addition.
Owner—H. G. Prince Co., Premises.
Architect—None.
Day's work. COST, $600

ADDITION
(84) NO. 1412 McGEE, Berkeley. Addition.
Owner—Mrs. C. Batten, Premises.
Architect—None.
Day's work. COST, $100

GARAGE
(85) NO. 2061 ALLSTON WAY, Berkeley. One-story brick garage.
Owner—W. E. Woolsey.
Architect—None.
Contractor—Roy O. Long, 2116 Shattuck Ave., Berkeley.
COST, $6400

DWELLING
(86) NO. 2815 BUENA VISTA WAY, Berkeley. One-story, four-room dwelling.
Owner—Lucy S. Freeland.
Architect—B. R. Maybeck, Buena Vista and La Loma, Berkeley.
Contractor—M. H. White, 2618 Cedar, Berkeley.
COST, $2800

(87) NE E-THIRTY-SEVENTH AND Ardley, Oakland. One-story 5-room frame dwelling.
Owner—A. Stenbro, 2122 Vicksburg Ave., Oakland.
Architect—None.
Day's work. COST, $2500

DWELLING
(88) N THIRTY-SEVENTH 95' and 125 W Woodruff, Oakland. Two one-story 5-room dwellings.
Owner—A. Stenbro, 2122 Vicksburg Ave., Oakland.
Architect—None.
Day's work. COST, $2500 each

GARAGE
(89) N FIFTY-THIRD 150 E Genoa, Oakland. Garage.
Owner—Mr. Walker, 836 53rd, Okd.
Architect—None.
Contractor—J. P. Durham, 2301 Grove, Oakland.
COST, $600

ALTERATIONS
(90) N FOOTHILL BLVD. 300 W 64th Ave., Okaland. Alterations.
Owner—Cheyrolet Motor Co., Premises
Architect—None.
Day's work. COST, $1000

ALTERATIONS
(91) W HAVENSCOURT BLVD. 500 N Flora, Oakland. Alter buildings and erect garage.
Owner—Norman De Vaux.
Architect—None.
Contractor—H. C. Knight, 1601 Telegraph Ave., Oakland.
COST, $1500

DWELLING
(92) E HARRINGTON AVE 100 N Foothill Blvd., Oakland. One-story 5-room dwelling.
Owner—J. M. E. Benson, 2739 School, Oakland.
Architect—None.
Contractor—Martin Benson, 2739 School, Oakland.
COST, $2900

DWELLING
(93) N HARMON AVE 250 W 62nd Ave., Oakland. One-story 5-room dwelling.
Owner—D. E. Dolar, 2119 E-14th, Okd.
Architect—None.
Day's work. COST, $2500

DWELLING
(94) SE MILES AVE AND FOREST, Oakland. Two-story 6-room dwlg.
Owner—E. T. Lesure, 5462 Miles Ave., Oakland.
Architect—Edward E. Young, 251 Kearny, San Francisco.
Day's work. COST, $5000

GARAGE
(95) NO. 452 SIXTY-THIRD, Oakland Garage.
Owner—C. A. Ornbaum, Premises.
Architect—None.
Contractor—Henry Berry, 2127 Prince, Berkeley.
COST, $400

DWELLING
(96) W SIXTY-FIRST AVE 250 S E-14th, Oakland. One-story 5-room dwelling.
Owner—Mrs. Ella Foster, 108th Ave., Oakland.
Architect—None.
Contractor—E. F. Reese, 1029 Linden, Oakland.
COST, $3000

DWELLING
(97) W WARFIELD AVE 47 S Weldon Ave. 50x100, Oakland. All work for two-story dwelling and garage.
Owner—Elmer S. Church, 592 Valle Vista, Oakland.
Architect—E. W. Cannon, Central Bk. Bldg., Oakland.
Contractor—T. P. Butterfield, El Cerrito, Calif.
Filed Jan. 12, '20. Dated Jan. 10, '20.
Frame up.....$2412.50
Plastered.....2412.50
Accepted.....2412.50
Usual 35 days.....2412.50
Final settlement to be made on basis of cost plus 10%.
TOTA LCOST, $9650
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

DEMOLISHING WHARF
(98) LONG WHARF, Oakland. All work for demolishing Long Wharf.
Owner—Director General of Railroads S. P. Railroad.

Architect—None.
Contractor—Tibbitts-Pacific Co., 16 California St., San Francisco.
Filed Jan. 12, '20. Dated Dec. 1, '19.
TOTAL COST, $——
Bond, none. Limit, 60 days. Forfeit, plans and specifications, none.
NOTE:—This extends time for work.

FRAME DWELLING
(99) E FIFTY-FIFTH AVE 107 SW Walnut, Oakland. One-story frame dwelling.
Owner—George J. and Eugenla Knlese, 2142 8th Ave., Oakland.
Architect—None.
Contractor—E. D. Bassett, 3229 E-14th St., Oakland.
Filed Jan. 12, '20. Dated Jan. 3, '20.
Frame up .....$411
Brown coatcd ..... 411
Completed and accepted..... 411
Usual 35 days..... 412
TOTAL COST, $1645
Bond, none. Limit, 60 days from Jan. 5. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 7, 1920, No. 35.

FIXTURE WORK
(100) ELMHURST. Fixture work for bank.
Owner—Bank of San Leandro.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Fink & Schindler Co., 226 13th St., San Francisco.
Filed Jan. 13, '20. Dated Jan. 7, '20.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $8400
Bond,$ 4200. Sureties, Ernest Richter and F. Klass. Limit, 45 days. Forfeit, $5. Plans and specifications filed.

DWELLING
(101) S BERKELEY WAY 150 E California, Berkeley. One-story 5-room dwelling.
Owner—Nicholas Hebeiser, 62nd St., Oakland.
Architect—None.
Contractor—J. A. Pinkerton, 1931 Berryman, Berkeley.
COST, $3600

APARTMENTS
(102) E COLLEGE AVE 300 S Woolsey Berkeley. Two-story 18-room apartments.
Owner—F. L. Wolfe, 30 El Camino Real Berkeley.
Architect—None.
Contractor—Solomon Morris, 1507 Harrison, Oakland.
COST, $12,000

DWELLING
(103) S FRANCISCO 80 E Grant, Berkeley. One-story 4-room dwelling.
Owner—C. O. Erickson, 1729 Grant St., Berkeley.
Architect—None.
Day's work. COST, $2000

GARAGE
(104) E SAN PABLO AVE 60 S University Ave., Berkeley. One-story Class "C" garage.
Owner—E. H. Andersen and Al Pedersen, 2007 San Pablo Ave., Berkeley.
Architect—None.
Contractor—E. H. Andersen, 1403 Santa Fe, Berkeley.
COST, $7000

DWELLING
(105) S ROSEMONT ROAD 160 E Northvale, Oakland. Two-story 6-room dwelling.
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $6000

ALTERATIONS
(106) NW THIRTEENTH AND HARrison, Oakland. Alterations.
Owner—Ashmes Temple Ass'n. Prem.
Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.
Day's work. COST, $2000

ALTERATIONS
(107) NE TENTH AND BROADWAY, Oakland. Alter saloon into drug store.
Owner—A. W. Smith, 1010 Broadway, Oakland.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—Alfred Olson, 565 16th St., Oakland.
COST, $3500

DWELLING
(108) SE TWENTY-NINTH AVE AND E-16th, Oakland. One and one-half-story dwelling.
Owner—R. K. Larsen, 1550 28th Ave., Oakland.
Architect—None.
Day's work. COST, $3500

REPAIRS
(109) NO. 1569 JACKSON, Oakland.
Owner—Mrs. M. C. Nye, 117 Parkside Drive, Berkeley.
Fire repairs.
Architect—None.
Contractor—Robt. E. Sheridan Co., 351 11th, Oakland.
COST, $595

ALTERATIONS
110) NO., 3006 CLAREMONT AVE., Berkeley. Alterations.
Owner—N. T. Coll, Premises.
Architect—None.
Contractor—Rush & Son Co., 538 Vincente Ave., Berkeley.
COST, $500

REPAIRS
(111) NO. 2541 FULTON, Berkeley. Repairs.
Owner—C. Duchenean, 2620 Dana St. Berkeley.
Architect—None.
Contractor—E. A. Thompson, 666 60th St., Oakland.
COST, $500

ADDITION
(112) BRYANT ST., Alameda Add to warehouse.
Owner—Pacific Coast Borax Co.
Architect—None.
Contractor—Geo. Stewart, 3010 Central Ave., Alameda.
COST, $4000

ADDITION
(113) FOOT CAROLINE ST., Alameda Add to dwelling.
Owner—A. E. Kohl, 1715 Dayton St., Alameda.
Architect—H. Murdock.
Contractor—Chas. Burton, 3215 Garfield, Alameda.
COST, $3000

ALTERATIONS
(114) NO. 3325 FERNSIDE BLVD., Alameda. Alterations and additions.
Owner—P. W. Bagley, Premises.
Architect—None.
Day's work. COST, $1000

ADDITION
(115) NO. 2227 McGEE, Berkeley. Addition.
Owner—C. Flandert, Premises.
Architect—None.
Contractor—C. H. Warren, 2615 Derby St., Berkeley.
COST, $1500

ADDITION
(116) NO. 808 TAYLOR AVE., Alameda. Addition.
Owner—Hall Lewis, 46 Kearny St., San Francisco.
Architect—None.
Contractor—S. Kellogg, 810 Taylor Ave., Alameda.
COST, $500

FRAME DWELLINGS
(117) CENTRAL PIEDMONT EXTENsion, Piedmont. Two one and one-half-story frame dwelling.
Owner—C. M. McGregor, 470 13th St., Oakland.
Architect—None.
Day's work. COST, $2950 each

FRAME DWELLINGS
(118) N RONADA near Moraga, Piedmont. Two one and one-half-story frame dwellings.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work. COST, $2950 each

FRAME DWELLING
(119) LOT 58, Nova Piedmont. Two and one-half-story frame dwelling.
Owner—Sam Newman, 1618 Grand Ave. Piedmont.
Architect—None.
Contractor—Henry Schwalm, 721 Main St., Hayward.
COST, $9797

BRICK WAREHOUSE
(120) S FOURTH 75 W Alice, Oakland. One-story brick warehouse.
Owner—Day & Gimbal, 1420 Jackson. Oakland.
Architect—None.
Day's work. COST, $11,500

DWELLING
(121) N GLENDORA 85 W Edgewood, Oakland. One-story 7-room dwelling.
Owner—H. C. Houck, 4452 Evans Ave., Oakland.
Architect—None.
Day's work. COST, $5000

DWELLING
(122) W GRAND AVE 200 N Elmwood, Oakland. Two-story 7-room dwlg.
Owner—L. Hally, 1926 Broadway, Okd.
Architect—None.
Contractor—Edwin C. Graff, 1926 Broadway, Okaland.
COST, $8000

CANNERY
(123) NE NINETEENTH AVE AND Livingston, Oakland. One-story concrete cannery.
Owner—Pacific Steel & Wire Co., San Francsico.
Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bdg., Oakland.
COST, $28,000

ALTERATIONS
(124) NO. 1127 WEST ST., Oakland. Alterations and additions.
Owner—William Lueddeke, 805 51st, Oakland.
Architect—None.
Contractor—Mathias Zimmer, 805 Washington, Oakland.
COST, $2400

GARAGE
(125) NO. 1105 GLEN AVE., Berkeley. Garage.
Owner—M. J. Gastman, 1273 Euclid Ave., Berkeley.
Architect—None.
Contractor—H. Gastman, 1273 Euclid Ave., Berkeley.
COST, $600

STORE
(126) W ADELINE 130 N First, Oakland. One-story store.
Owner—P. J. Daniels, 487 Crofton Ave., Oakland.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(127) NO. 1439 BROADWAY, Oakland. Alterations.
Owner—Hogan & Evers, 1454 Broadway, Oakland.
Architect—None.
Contractor—S. Kulchar & Co., 8th Ave and E-10th St., Oakland.
COST, $800

DWELLING
(128) E EVERETT AVE 160 N Wellington, Oakland. One-story 7-room dwelling.
Owner—E. Maasberg, 3915 Greenwood Ave., Oakland.
Architect—None.
Day's work. COST, $4000

ADDITION
(129) NO. 1849 FIFTH AVE., Oakland. Addition.
Owner—Emma Brown, 2114 11th Ave., Oakland.
Architect—None.
Contractor—W. Brown, 2114 11th Ave., Oakland. COST, $800

DWELLING
(130) NE MONTCLAIR & BROOKLYN Aves., Oakland. One-story 5-room dwelling.
Owner—C. J. Pfrang, 480 Forest St., Oakland.
Architect—None.
Day's work. COST, $3800

ADDITION
(131) NW PERALTA AND WATTS, Oakland. One-story factory addition
Owner—Union Blind & Ladder Co., 3536 Peralta, Oakland.
Architect—None.
Day's work. COST, $2750

ADDITION
(132) NO. 5809 SAN PABLO AVE., Oakland. Addition.

Owner—Beandry & Brennan, 606 25th, Oakland.
Architect—None.
Contractor—Albert Fink.
COST, $500

ALTERATIONS
(133) SW SEVENTH AND WASHington, Oakland. Alterations.
Owner—P. J. Nicholas, 1515 Alice, Okd.
Architect—None.
Contractor—S. Kulchar & Co., 8th Ave. and E-10th St., Oakland.
COST, $1000

ALTERATIONS
(134) No. 520 THIRTEENTH ST., Oakland. Alterations.
Owner—Curtain Store.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th, Oakland.
COST, $500

ALTERATIONS
(135) SE E-FOURTEENTH AND 86th Ave., Oakland. Alter two-story building into apartments.
Owner—C. A. Rudolph, Premises.
Architect—None.
Day's work.
COST, $5000

WAREHOUSE
(136) SW E-ELEVENTH & TWENTYseventh Ave., Oakland. Two-story warehouse.
Owner—M. M. Silva, 2627 E-11th St., Oakland.
Architect—None.
Day's work.
COST, $500

ALTERATIONS
(137) NO. 404 FOURTEENTH, Oakland Alterations.
Owner—Franklin Millinery, Premises.
Architect—None.
Contractor—Bay City Cabinet Co., 1080 5th, Oakland.
COST, $1400

DWELLING
(138) SE ROSAL AND LINDA, Oakland Two-story 8-room dwelling.
Owner—M. Jacobs.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—W. E. Whalen, 323 Lester Ave., Oakland.
COST, $12,500

DWELLING
(139) S REDDING 250 W Maybelle Ave., Oakland One-story 5-room dwelling.
Owner—M. B. Stoner, 4115 Redding St., Oakland.
Architect—None.
Day's work.
COST, $2000

ALTERATIONS
(140) FOOT SIXTY-SIXTH AVE., Oakland. Alterations.
Owner—Louis Schaffer,2319 Park Blvd., Oakland.
Architect—None.
Contractor—O. M. Magnéson, 2712 College Ave., Berkeley.
COST, $1500

DWELLINGS
(141) S SUTER 150, 220 and 290 W High, Oakland. Three one-story 5-room dwellings.
Owner—Waterfront Sash & Door Co., 2nd and Alice, Oakland.
Architect—None.
Day's work.
COST, $3000 each

DWELLINGS
(142) N SUTER 135, 275 and 310 W High, Oakland. Three one-story 5-room dwellings.
Owner—Waterfront Sash & Door Co., 2nd and Alice, Oakland.
Architect—None.
Day's work.
COST, $3000 each

DWELLING
(143) S DELAWARE 115 E McGee, Berkeley. One-story 5-room dwelling
Owner—D. L. Shirk, 1719 Hearst Ave., Berkeley.
Architect—None.
Contractor—R. R. Scammon, 1719 Hearst Ave., Berkeley.
COST, $2000

(144) N THE ALAMEDA NO. 748, Berkeley. One-story 6-room dwelling.
Owner—Roy O. Long, Elks' Club, Bkly.
Architect—None.
Contractor—H. P. Sheridan, 2815 Grove St., Berkeley.
COST, $4000

## COMPLETION NOTICES

### Alameda County

Jan. 9, 1920—LOT 5 BLK 1, Fourth Ave Heights, Okd. C M Norgrove and W W Eckley to Wm J Baker.. .....Jan. 8, 1920
Jan. 12, 1920—LOT 21 Pine Terrace, Bkly. Albert M Lester to C Texdahl .....Dec. 31, 1919
Jan. 12, 1920—NE E-EIGHTEENTH and NW 12th Av NW 75xNE 109.70, Okd. Neustradter Bros to G P W Jensen.....Jan. 9, 1920
Jan. 13, 1920—E 10 LOT 9 AND ALL lots 10 and 11, Blk. 141, Kellersberger's Map of Oakland, Oakland. Twelfth Street Realty Co. to whom it may concern...Jan. 12, 1920
Jan. 13, 1920—W 60 LOTS 1 AND 2, Blk. 161, Map Kellersberger's Map of Oakland, Oakland. Twelfth Street Realty Co to whom it may concern .....Jan. 12, 1920
Jan. 13, 1920—LOT 11 AND E 13 LOT 5, Map Schroederg Tract, Oakland. Realty Syndicate Co to whom it may concern ..... ...Jan. 12, 1902
Jan. 13, 1920—SE GRAND AVE AND Ellis Ave E 60xS 120, ——. Ruth M Smith to H H Welder. Jan. 12, 1920

### LIENS FILED.

### Alameda County

Jan. 10, 1920—W STANTON 50 S Ashby Ave, Bkly. W H Pennie vs Milton Schroeder and H Nielsen....$170
Jan. 14, 1920—LOTS 9, 18 AND 19 Map Alta Heights, Piedmont. Anna L Carpenter (wf J K).....$5000
Jan. 16, 1920—LOT 2 BLK "B" Map Westmoreland Park, Bkly. Paul Schnoor, $66; August Bauer, $160 vs Milton Schroeder and Halger Nielson .....

### BUILDING CONTRACTS.

#### Santa Clara County.

COTTAGE
WASHINGTON near Sixth St., San Jose. Five-room cottage.
Owner—Benj. Quimet, 474 San Fernando St., San Jose.
Architect—None.
Day's work.
COST, $2000

COTTAGES
SANTA CLARA & TWENTY-FOURTH Sts., San Jose. Two frame cottages.
Owner—W. H. Fergusson, 1149 E-Santa Clara St., San Jose.
Architect—None.
Day's work.
COST, $2000 each

ALTERATIONS
N ELEVENTH near Taylor St., San Jose. Alterations.
Owner—Mrs. Sorci, 364 Jackson St., San Jose.
Architect—None.
Contractor—G. Leone, N-13th St., San Jose.
COST, $1800

### RELEASE OF LIENS.

#### Santa Clara County.

Recorded Amount
Jan. 8, 1920—DELMAS AVE., San Jose. James McCormick to Edith M Hunt .....$140.75

### BUILDING CONTRACTS.

#### Fresno County.

FRAME DWELLING
LOTS 11 AND 12, Fresno. Frame dwelling.
Owner—S. L. Polito, 1105 Roosevelt St., Fresno.
Architect—None.
Contractor—E. E. Spencer.
COST, $15,000

SHED
LOTS 1 TO 4 BLK 29, Fresno. Shed.
Owner—D. Mourshima.
Architect—None.
Contractor—J. R. Church, 221 North "U" St., Fresno.
COST, $5000

FRAME DWELLING
LOT 7 BLK 8, Cedar Park, Fresno. Frame dwelling.
Owner—R. F. Johnson, 3639 Ventura St., Fresno.
Architect—None.
Day's work.
COST, $3000

DWELLING & GARAGE
MAPLE PARK S ½ Lot 41 Blk 1, Fresno. Frame dwelling and garage
Owner—C. L. Wakefield, 1336 Roosevelt St., Fresno.
Architect—None.
Day's work.
COST, $3300

DWELLING & GARAGE
N ½ LOT 41 BLK 1, Maple Park, Fresno. Frame dwelling and garage.
Owned—R. N. Shannon, Fresno.
Architect—None.
Day's work.
COST, $3300

FRAME DWELLINGS
ALTA VISTA TRACT Lot 13 Blk 30 and Lots 12, 13, ½ of Lot 11 Blk 57, East Fresno. Two frame dwellings.
Owner—Fresno Bldg. Cptn.
Architect—None.
Day's work.
COST, $5000 each

FRAME DWELLINGS
K. B. HEIGHTS Lots 9, 10, 15 and 16 Blk. 33; Lots 5, 6, 9, 10, 15 and 16 Blk 21; Lots 11, 12, 15, 16 Blk 34; Lots 15, 16, 21 and 22 Blk 22 and Lots 21 and 22 Blk 31, Fresno. Nine frame dwellings.
Owner—Fresno Bldg. Cptn.
Architect—None.
Day's work.
COST, $3000 each

FRAME DWELLING
LOTS 4, F BLK 6, Alta Vista Tract, Fresno. Frame dwelling.
Owner—R. G. Breakenridge, 415 Ferger St., Fresno.
Architect—None.
Day's work.
COST, $14,000

DWELLING AND GARAGE
LOTS 28 AND 29 BLK 30, Arlington Heights, Fresno. Frame dwelling and garage.
Owner—W. Higgins.
Architect—None.
Contractor—J. R. Church, 221 North U St., Fresno.
COST, $2500

FRAME DWELLING
NO. 2649 WHITE AVE., Fresno. Frame dwelling.
Owner—E. A. Nichols, 2544 White St., Fresno.
Architect—None.
Day's work.
COST, $4000

BRICK STORE
LOTS 25, 26 AND 27 BLK 80, Fresno. One-story brick store building.
Owner—C. and M. Brock and A. Halmier.
Architect—None.
Contractor—Anton Johnson, Kingsburg.
COST, $23,000

SCHOOL
CLOVIS, Fresno Co. All work for two-story concrete and wood high school building.
Owner—Trustees Clovis High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—J. Del Favero and S. Rasori, 110 Jessie St., San Francisco.
Filed Jan. 13, '20. Dated Jan. —, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $84,726
Bond, $42,363. Surety, Fidelity & Deposit Co. of Maryland. Limit, 175 working days. Forfeit, $10. Plans and specifications filed.

ELECTRICAL WORK ON ABOVE.
Contractor—F. E. Newberry Elec. Co., 163 Sutter St., San Francisco.
Filed Jan. 13, '20. Dated Jan. —, '20.
Payments same as above.....
TOTAL COST, $2985
Bond, $1492. Surety, Globe Indemnity Co. Limit, 160 days. Forfeit, none. Plans and specifications filed.

### COMPLETION NOTICES.

#### Fresno County.

Recorded Accepted
Jan. 8, 1920—COR. I AND STANIslaus Sts., Fresno. G W Dowda to whom it may concern. Jan. 8, 1920

Jan 9, 1920—LOTS 22 AND 23 BLK 18, North Park Terrace, Fresno. L R Packwood to whom it may concern.....Jan. 7, 1920
Jan. 13, 1920—N 27 FEET LOT 10 and Lots 3 to 9 Blk 6 North Park Terrace, Fresno. G H Stivers and Geo Brashear to whom it may concern.....Jan. 12, 1920
Jan. 13, 1920—SELMA. First National Bank of Selma to whom it may concern.....Jan. 7, 1920

### LIENS FILED.

**Fresno County.**

Recorded Account
Jan. 15, 1920—LOTS 20 AND 21 BLK 1, Matawana Addition, Fresno. F H Cramley vs J H Brown.....$729
Jan. 15, 1920—LOTS 33 AND 34 Sycamore Ranch Tract, Fresno. C S Pierce Lumber Co vs Gilbert H and A W Beesemyer .....$729

### BUILDING CONTRACTS

**Sacramento County.**

FRAME RESIDENCE
NO. 2230 "G" ST., Sacramento. One-story 5-room frame residence.
Owner—E. Driemeyer, 2225 "G" St., Sacramento.
Architect—None.
Contractor—R. M. Smith, 2633 30th St., Sacramento.
COST, $4000

ADDITION
NO. 914 NINTH ST., Sacramento. Addition to residence.
Owner—B. Cavanaugh.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento.
COST, $2190

RESIDENCE, ETC.
NO. 3328 SERRA WAY, Sacramento. One-story 5-room frame residence and garage.
Owner—T. Erickson, 2515 "U" St., Sacramento.
Architect—None.
Contractor—C. H. Chatterton, 3162 Serra Way, Sacramento.
COST, $4000

GARAGE
NO. 830 "L" ST., Sacramento. Two-story brick and reinforced concrete garage.
Owner—C. E. Phipps, 402 "K" St., Sacramento.
Architect—None.
Contractor—C. J. Guth, 1516 27th St., Sacramento.
COST, $39,400

REPAIRS
NO. 400 "K" ST., Sacramento. General repairs to building.
Owner—Weinstock-Lubin Co., Prem.
Architect—None.
Day's work. COST ,$1000

MILK PLANT
NO. 220 NINETENTH ST., Sacramento. Galvanized iron milk plant.
Owner—Consolidated Products Co., London, Neb.
Architect—None.
Contractor—J. T. Walsh.
COST, $3000

FRAME BUILDING
E ½ OF S ½ LOT 6 F, G, 23rd and 24th Sts., Sacramento. Two-story frame building.
Owner—M. N. Bakulich, 1007 4th St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 "I" St., Sacramento.
Filed Jan. 8, '20. Dated Dec. 30, '19.
COST, $10,593

FRAME RESIDENCE, ETC.
NO. 316 TWENTY-THIRD ST., Sacramento. One-story 5-room frame residence and garage.
Owner—Harton & Norton.
Architect—None.
Contractor—L. G. Barton.
COST, $3600

RESIDENCE AND GARAGE
NO. 426 TWENTY-FIRST ST., Sacramento. One-story 5-room frame residence and garage.
Owner—J. P. Pierini, 2630 "G" St., Sacramento.
Architect—None.
Contractor—O. W. Harrison, N-Sacramento.
COST, $4300

FRAME RESIDENCE
NO. 5043 "U" ST., Sacramento. One-story 5-room frame residence.
Owner—Mrs. A. A. Toland, 518 "N" St., Sacramento.
Architect—None.
Contractor—J. M. Morrill, 5217 "T" St., Sacramento.
COST, $2700

### LIENS FILED.

**Sacramento County.**

Recorded Amount
Jan. 9, 1920—NO. 620 "K" ST., W ½ of E ½ Lot S side "K" bet 6th and 7th Sts., Sacramento. Sacramento Art Glass Works vs Chris' Candy Store .....$87.30

### BUILDING CONTRACTS.

**San Joaquin County.**

ADDITION
E-CHANNEL ST., bet. California and American Sts., Stockton. Addition.
Owner—J. M. Kile, 1106 N-San Joaquin St., Stockton.
Architect—None.
Day's work. COST, $2385

ALTERATIONS
S-HUNTER ST., bet. Market and Main Sts., Stockton. Remodel building.
Owner—J. M. Ladd, 919 N-El Dorado St., Stockton.
Architect—None.
Day's work. COST, $1200

FRAME RESIDENCE
SONOMA AND NORTH SAN JOAQUIN Sts., Stockton. Frame residence.
Owner—August F. Safield, Stockton.
Architect—None.
Day's work. COST, $4500

FRAME DWELLING
N-OPHIR ST., bet. Oak and Fremont Sts., Stockton. Frame dwelling.
Owner—Dick Verber, 528 N-Ophir St., Stockton.
Architect—None.
Day's work. COST, $3100

FRAME DWELLING
NORTH SAN JOAQUIN ST., bet. Sonoma and Mendocino Sts., Stockton. Frame dwelling.
Owner—Geo. A. Smith, 26 S-California St., Stockton.
Architect—None.
Day's work. COST, $2800

RESIDENCE
LAKE PARK BLK 13, Stockton. Residence.
Owner—T. E. Williams.
Architect—None.
Day's work. COST, $4000

FRAME DWELLINGS
WEST CLAY ST., bet. Monroe and Van Buren Sts., and S Monroe St., bet. South and Clay Sts., Stockton. Two frame dwellings.
Owner—O. Y. Wilson.
Architect—None.
Day's work COST, $2400 each

ALTERATIONS
NW MAIN AND HUNTER STS, Stockton. Alter stores for extension of banking rooms.
Owner—Stockton Branch, Bank of Italy, 9-11 N-Hunter St., Stockton.
Architect—None.
Contractor—Robert Powell, 945 E-Lindsay St., Stockton.
Filed Jan. 12, '20. Dated Jan. 7, '20.
Limit, 60 days. COST, $716

STEEL WORK
NW MAIN & HUNTER STS., Stockton. Steel work, etc., for extension of banking rooms.
Owner—Stockton Branch, Bank of Italy.
Architect—None.
Contractor—Stockton Iron Works, Harrison St., Cor. Lindsay, Stockton.
Filed Jan. 13, '20. Dated Jan. 7, '20.
Limit, 15 days. COST, $——

### COMPLETION NOTICES.

**San Joaquin County.**

Recorded Accepted
Jan. 15, 1920—LOT 11 BLK 1, North Oaks, Stockton. Carl F Egdorf to T E Williamson.....Jan. 14, 1920
Jan. 9, 1920—LOTS 8, 10, 12, 16 BLK 18, City of Stockton. The Georges Co to J A Silva.....Dec. 27, 1919

### LIENS FILED.

**San Joaquin County.**

Recorded Amount
Jan. 9, 1920—LOT 1 BLK 29 E of Center St., Stockton. W E French, $450; C A Lease, $150 vs Joseph Bisagno, Lee Yum, C W Beck, W C Ramsey & T E Emerson.....
Jan. 8, 1920—LOT 1 BLK 29, E of Center St., Stockton. E E Gordon, $610; C H Miller, $1079.48; San Joaquin Brick Co, $1062.98 vs Jos Bisagno, Lee Yum, C W Beck, W C Ramsey and T E Emerson.....

### NATIONAL BANK ASSETS.

WASHINGTON, D. C.—An unprecedented increase of approximately $1,000,000,000 in the resources of the national banks for the year was reported by the Controller of the Currency Williams.

On the last call, November 17, national bank resources approximated $22,500,000,000. The increase in deposits and total assets, the Controller said, were scattered widely. The increase in resources of banks outside the reserve cities since June 30 was nearly $800,000,000. The resources of "country banks" in Texas increased in the past six months alone $134,000,000, or 34 per cent.

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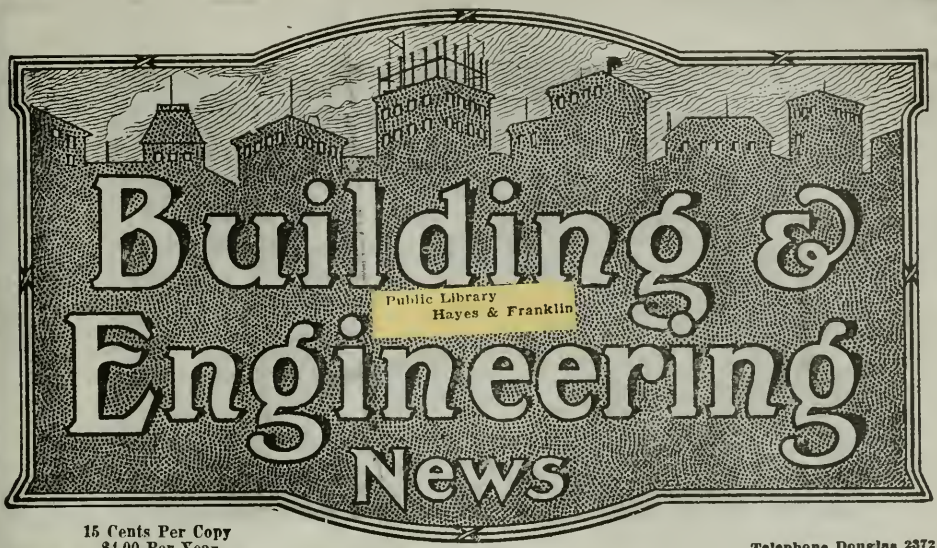


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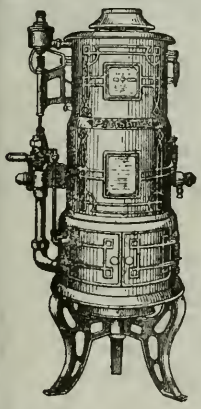

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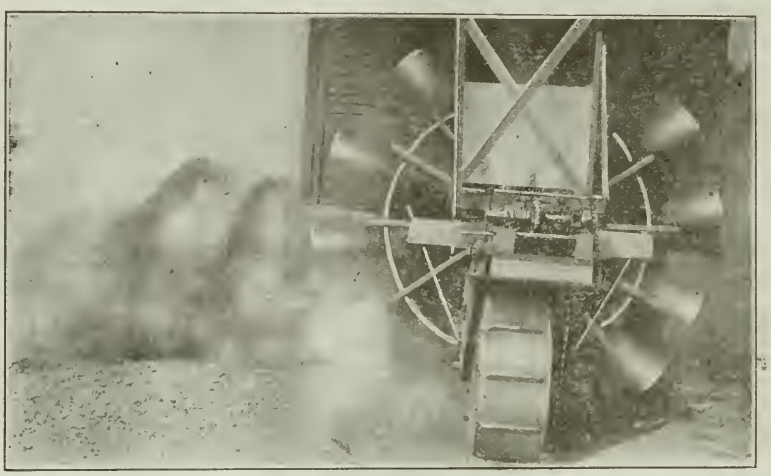

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# American Association of Engineers

## NEWS FROM NATIONAL HEADQUARTERS.

The Chicago Chapter of the American Association of Engineers has elected the following officers for the year 1920: W. J. H. Strong, president; W. H. Dean, 1st vice-president; A. M. Cornell, 2nd vice-president; C. L. Currier, 3rd vice-president; T. A. Dungan, 4th vice-president; J. D. Hoban, secretary; L. D. Lea, treasurer.

Mr. Strong, who is a mechanical engineer, is a graduate of Harvard and Worcester Universities. He is engaged in consulting work in aeronautical and steam dehydration, productions, tests and patents. He has been a very active A. A. E. worker, having been a member of the Chicago Chapter executive committee for two years, and formerly 2nd vice-president of the chapter.

The American Association of Engineers has appointed a committee on the salaries of engineers in teaching service, of which C. J. Tilden, professor of engineering mechanics at Yale University is chairman. The other members of the sub-committee are being selected.

The fifth annual convention of the American Association of Engineers will be held in St. Louis on May 10 and 11, 1920. A strong list of speakers is being prepared, and as soon as it is completed the list will be made public.

Figures compiled by the American Association of Engineers from the reports sent in from the thirty-seven chapters and clubs who competed in the local publicity contest, show that enough newspaper publicity has been obtained in the last four months to make up two complete editions of the Chicago Tribune.

The contest closed on December 31. The Gobe-Miami, Arizona, Chapter was the winner of the contest with a total of 438 column inches, or almost three solid pages, to its credit. The Toledo Chapter was second with 430 column inches, and the Baltimore Chapter third with 359.

Butte, Montana, St. Louis, Cincinnati, and San Diego, California, held the next four places.

### The Fortnightly Engineering Service Review.

The demand for professional engineers is continuing on an upward movement as viewed by the service department of the American Association of Engineers. Less than one per cent of the total number of technical engineers in the country are actually out of employment at the present time. The demand is greater than can be supplied for a long time. Recent university graduates have excellent opportunities, judging from the many requests for them. Practically no demand exists for engineers for foreign work. Some of America's largest engineering companies who have been doing foreign work have but one or two men in the field at present. Large foreign contracts are anticipated by American firms in the very near future.

Several requests have been received for editorial men while a continual demand seems pouring in for instructors in our engineering universities. Very little construction work is opening up, and the demand for field engineers and superintendents of construction is not as great as is the call for designers along mechanical, electrical, and structural lines. Practically every request for services of professional engineers gives preference to the university graduate.

The service department has increased its facilities by a member of the staff, whose sole duty is that of interviews and the handling of local matters. This method will leave the remainder of the staff to work on national employment problems.

## FURNACE REPORT ISSUED BY ILLINOIS UNIVERSITY.

A preliminary report of progress under the present co-operative agreement between the National Warm-Air Heating and Ventilating Association and the University of Illinois for an investigation of warm-air furnaces and furnace heating systems, has been issued by the Engineering Experiment Station of the University of Illinois as Bulletin 112, by Professor A. C. Willard.

The principle objects of the investigation are:

(1) To determines the efficiency and capacity of commercial warm-air furnaces under conditions similar to those existing in actual installations with leaders, stacks, and registers to form a complete system.

(2) To determine satisfactory and simple methods for rating furnaces so that the proper size and type of furnace can be definitely selected for the service required.

(3) To determine methods of increasing efficiency and capacity of furnace heating equipment and the advantages or desirability of certain types of design.

(4) To determine the heat losses in furnace heating systems and the value of insulating materials as affecting the economy of the furnace or the leaders and stacks, and finally of the system as a whole.

(5) To determine the proper sizes and proportions of leaders, stacks, and registers supplying air to first, second, and third floors.

(6) To determine the friction losses in the cold air or recirculating ducts and registers and their proper size, proportions, and arrangement or location.

(7) Eventually, to make a study and comparison of outside and inside air circulation as affecting the economy and operation of furnace systems.

Copies of Bulletin No. 112 may be had without charge by addressing the Engineering Experiment Station, Urbana, Illinois.

## SOLDIERS APPRECIATE GOOD ROADS.

**Extract from The American Legion by General Leonard Wood, in Metropolitan Magazine, January, 1920.**

They have returned hating war, as most soldiers do who have seen much of it; but I believe they see clearly the need of such reasonable preparation as will enable our country to promptly discharge her full duty in a crisis as she did in this great war, but more promptly. They have brought home with them many useful ideas, among them an appreciation of the importance of good roads, not only from the war standpoint but especially from the peace standpoint. They realize as they never did before how much good roads add to the convenience of the public, how much they mean in the way of increased facilities in marketing products, how much they mean in the development of a country, **and they will not be content with the wretched highways which exist in many portions of our country.**

## UNITED STATES CIVIL-SERVICE EXAMINATIONS.

**Senior Instructor in Telephony, Consulting Engineer, $3,600.**

**Senior Instructor in Telegraphy, Consulting Engineer, $3,600.**

**FEBRUARY 10, 1920.**

Applicants should apply to local Post Office for Form 1312, stating title of examination desired.

# ADVANCE NEWS
## Official Proposals, Etc.

# BUILDING.

## APARTMENT HOUSES

Preliminary Sketches Being Prepared.
APARTMENTS Cost, $32,000
COLUSA, Colusa Co., Cal.
Two-story brick or hollow tile garage and apartment building (8 2-room apts.)
Owner—Withheld.
Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.

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Completing Plans.
ALTERATIONS Cost, $6,000
ALAMEDA, Alameda Co., Cal.
Alter two-story frame residence into 6 apartments (4 2-room and 2 3-room apts.)
Owner—Withheld.
Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.

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Plans Complete.
APARTMENTS, ETC. Cost, $190,000
VALLEJO, Solano Co., Cal.
Six-story reinforced concrete apartments and stores.
Owner—Harry Handlery.
Architect—Bernard J. Joseph, New Call Bldg., San Francisco.
NOTE:—The owner has decided to erect a six-story building instead of a one-story.

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Plans Ready For Figures Monday.
APARTMENTS Cost, $15,000
BERKELEY, Alameda Co., Cal. College Avenue and Woolsey Street.
Two-story frame apartments 5 3-room apts.)
Owner—Mr. Wolf.
Architects—Masten & Hurd, 619 Foxcroft Bldg., San Francisco.

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Contractors Taking Sub-Figures.
APARTMENTS Cost, $175,000
BERKELEY, Alameda Co., Cal. Telegraph Ave. near Channing Way.
Five-story reinforced concrete apartment house (34 apts.)
Owner—Dr. A. Galbraith.
Architect—Clay M. Burrell, 1st Trust Bldg., Oakland.
Contractor—Palmer & Petersen, Monadnock Bldg., San Francisco.

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Contracts Awarded. Sub-Figures Being Taken.
APARTMENTS Cost, $85,000
SAN FRANCISCO. Gore Market and Church Streets.
Three-story Class "C" store and apartment building.
Owner—Freeborn Estate Cptn.
Architect—Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
NOTE:—The Duncan Co. is taking sub-figures on all parts of the work.
**Wall Beds** awarded to Marshall & Stearns Co.
**Stoves** to Rathborne, Sard & Co.

To be Bone by Days Work. Permit Applied For.
APARTMENTS. Cost, $100,000
SAN FRANCISCO. SE Sutter and Leavenworth Streets.
Six-story and basement Class "C" apartments (33 3-room apts.)
Owner—M. A. Little.
Architect—E. E. Young, 251 Kearny St., San Francisco.

## BANKS

Figures Being Taken for Grading and Concrete Work.
BANK BLDG. Cost, $300,000 or more
SAN FRANCISCO. W Montgomery St. bet. Pine and Sutter, adj. First National Bank Bldg.
Two and three-story and basement Class "A" bank and office building.
Owner—First Federal Trust Co. and First National Bank.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—J. E. Scully, Flood Bldg., San Francisco.

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Contract Awarded. Work Started.
ALTERATIONS Cost, $——
HANFORD, Kings Co., Cal. Douty St.
Alterations and changes for bank.
Owner—Farmers & Merchants National Bank, Judd Smith, Vice-President and Manager, Hanford.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Contractor—Brown & Denham, Hanford.

## BONDS

LONG BEACH, Los Angeles Co., Cal.—An election will be held January 27, to vote on issuing $500,000 bonds for extensions and improvements to the municipal water system, including new reservoir, pumping equipment and mains.

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LIVE OAK, Sutter Co., Cal.—Petitions are being circulated in the Live Oak, Encinal, Pennington and Hedger grammar school districts asking the County School Superintendent and Supervisors to call an election for the purpose of voting on a high school district.

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TURLOCK, Stanislaus Co., Cal.—The City Trustees, A. P. Ferguson, City Clerk, have sold the $60,000 sewer bond issue to Freeman, Smith & Camp of San Francisco, at a premium of $1,000. Proceeds of the sale will finance extensions to the present sewer system.

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MANTECA, San Joaquin Co., Cal.—Bonds of $200,000 with which to finance improvements in the South San Joaquin Irrigation District have been sold by the Board of Directors.

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SAN JOSE, Santa Clara Co., Cal.—A petition has been presented to the County Supervisors, Henry A. Pfister, County Clerk, for consolidating the Gilroy and Carnadero Districts in order that a new high school building might be erected. Miss Agnew is County Superintendent of Schools.

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OROVILLE, Butte Co., Cal.—The County Supervisors have sold the $1,800,000 county highway bond issue to the Bank of Italy, the highest bidder offering a premium of $10,500.

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LIVINGSTON, Merced Co., Cal.—Preparations are being made to call an election to decide the question of issuing and selling bonds of $12,000 with which to finance construction of a new school building.

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SAN JOSE, Santa Clara Co., Cal.—March 9th is the date set by the Board of Education to decide the question of issuing and selling bonds of $300,000 for elementary school improvements and $400,000 for high school improvements.

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SAN DIEGO, Cal.—Until 11 A. M., Feb. 2, bids will be received by City Clerk Allen H. Wright for the purchase of $1,000,000 bonds voted for constructing the Barrett dam.

For the purchase of $80,000 bonds voted for paving Tide street and for the purchase of $240,000 bonds voted for constructing municipal pier.

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ORLAND, Glenn Co., Cal.—February 21st is the date set to vote bonds of $22,000 with which to finance construction of the addition of a third story on the two wings of the present high school building giving four additional classrooms.

W. H. Weeks, 75 Post St., San Francisco, is the architect.

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SACRAMENTO, Cal.—The County Supervisors have sold the $18,000 bond issue of the Lincoln School District which will finance construction of a new school building.

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PITTSBURG, Contra Costa Co., Cal.—The $440,000 bond issue to finance construction of municipal improvements carried at the recent election. Proceeds of the sale of the bonds will provide the following improvements:

New water system, $140,000; City Hall and site, $75,000; library, $7,500; street improvements, $125,000; municipal wharf, $40,000; storm sewer, $20,000; sewer system, $20,000; fire apparatus, $10,000; street cleaning apparatus, $7,500.

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DUNSMUIR, Siskiyou Co., Cal.—February 2nd is the date set in the Dunsmuir High School District to vote bonds of $24,000 with which to erect an addition to the present high school building.

## CHURCHES

Plans to be Prepared.
CHURCH Cost, $75,000
VALLEJO, Solano Co., Cal.
Fireproof church building.
Owner—Methodist Church of Vallejo, A. B. Gilbert, Pastor, Vallejo.
Architect—Not Given.

## FACTORIES AND WAREHOUSES.

Plans to be Prepared.
WAREHOUSE ETC. Cost, $——
SONORA, Tuolumne Co., Cal. near Sierra Railway Depot.
Three-story fireproof flour mill and fireproof warehouse of 1000 tons capacity.
Owner—Hales & Symons, Sonora.
Architect—Not Yet Selected.
The company plans to have work under way the latter part of this year.

Plans Being Figured.
CANNERY Cost, $60,000
HILLSBORO, Oregon.
Hollow tile cannery, 96x370.
Owner—Ray & Son, Sherlock Bldg., Portland.
Architect—E. E. McClaran, Lumber Exchange Bldg., Portland.
Separate bids for the tile work, roofing and carpentering are being received.

Plans Being Prepared.
SERVICE STATION Cost, $10,000
SALINAS, Monterey Co., Cal. Main & Market Streets.
Comfort and service station, 55x79.
Owner—Associated Oil Co., Sharon Bldg., San Francisco.
Architect—Engineering Dept. Associated Oil Co., Sharon Bldg., San Francisco.

Sketches Being Prepared.
WAREHOUSE, ETC. Cost, $——
SAN FRANCISCO. Spear and Folsom Streets.
Six-story reinforced concrete warehouse and wholesale grocery bldg.
Owner—Haas Bros., Sacramento and Davis Sts., San Francisco.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.

Plans Being Figured.
LAUNDRY Cost, $——
PORTLAND, Ore. Union Avenue and Mill Street.
One-story concrete laundry, 100x100.
Owner—Portland Laundry Co.
Architects—Strong & MacNaughton, Corbett Bldg., Portland.

Plans Being Prepared. Contract Awarded.
PACKING PLANT Cost, $75,000
VISALIA, Tulare Co., Cal.
Two-story reinforced concrete and frame packing plant, also a box factory, 50x60, and a frame lavatory building.
Owner—R. L. Hickley, 1107 Highland Ave., Hollywood.
Architect—E. B. Rust, 527 Black Bldg., Los Angeles.
Contractor—H. P. Siberell, 224 W-Milford St., Glendale.

Plans Prepared. Site to be Selected.
CANNING PLANT Cost, $200,000
SACRAMENTO, Cal.
Hollow tile and concrete canning plant.
Owner—Sacovalley Meat Canning Co., Farum Bldg., Sacramento.
Dirtectors of the company are: C. W. R. Thelan, M. Thalen and F. W. Haley of Sacramento; William H. Hawthorne, of Spring Valley, Illinois, and Andreas Mutter of Ottawa, Ill.
Architect—M. Thelan, 208 Forum Bldg., Sacramento.
NOTE:—Dr. C. V. Keane, former state veterinarian, is also interested in the concern.

RENO, Nevada.—Articles of incorporation have been filed with County Clerk E. H. Beemer, by the Nevada Aviation Corporation with a capital stock of $500,000. It is planned to erect a factory building for the manufacture of aeroplanes. The directors are: W. H. Hendricks, Williamson Summers, H. E. Stewart, Mayor of Reno; James J. Burke, former City Clerk of the City of Reno; A. Parker Lewis, L. A. Corrington, E. L. Clarke, E. H. Abrams, T. L. Oddie, all of Reno, and W. A. Keddie of Fallon.

Contract Awarded.
SERVICE STATION Cost, $——
SAN FRANCISCO. Bush and Anne Streets.
One-story brick service station.
Owner—Dunn Estate.
Lessee—Willlard Storage Battery.
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.
Contractor—Jarrett & Hilp, Sharon Bldg., San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, $50,000
SAN FRANCISCOD, South of Market Street.
Three-story Class "C" warehouse.
Owner—Withheld.
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco

Contract Awarded.
WAREHOUSE Cost, $70,000
HOLLYWOOD, Los Angeles Co., Cal.
Four-story reinforced concrete storage warehouse, 95x150.
Owner—Hollywood Auto Transfer & Storage Company.
Architect—None.
Contractor—Leonard & Peck, 721 H. W. Hellman Bldg., Los Angeles.
The Southern California Iron & Steel Co. will furnish the reinforcing steel.

Completing Plans. Figures to be Taken in a Few Days.
COLD STORAGE PLANT
Cost, $250,000.
OAKLAND, Alameda Co., Cal. N First St., bet. Market and Myrtle Sts., 184 x300.
Reinforced concrete ice and cold storage plant.
Owner—National Ice & Cold Storage Co., Postal Telegraph Bldg., San Francisco.
Architect—Eng. Dept. of Owner.
Mr. Howell is chief engineer and will be in charge of construction.

Plans Being Prepared. To be Done by Days Labor and Sub-Contracts.
WAREHOUSE Cost, $100,000
SACRAMENTO, Cal. 10th, 11th, "R" and "S" Streets.
One-story reinforced concrete warehouse and offices, 60x160.
Owners and Contractors—Carlaw Bros., 10th and "R" Sts., Sacramento.
Lessee—United States Rubber Co., 50 Fremont St., San Francisco.
Architect—Eng. Dept. of United States Rubber Company.

Plans Being Prepared.
PAINTING SHOP Cost, $46,000
LOS ANGELES, Cal. S. P. R. R. Yards.
Brick coach painting shop building, 163 x173.
Owner—Southern Pacific Co.
Architect—Architectural Dept. of Owner (H. H. Christie in charge), S. P. Bldg., San Francisco.
Figures will be called for in about two weeks.

ALAMEDA, Alameda Co., Cal.—The Alaska Packers' Association are negotiating for a lease on 36 acres of waterfront property in Alameda.
No definite action will be taken about the construction of a plant until the lease is closed, which will take a month or more.

## FIREHOUSES AND JAILS

FRESNO, Fresno Co., Cal.—The City Trustees, Chas. Dillon, City Clerk, is contemplating the erection of three new firehouses on sites already purchased and has appointed a committee to inspect houses in various cities with a view to securing the latest conveniences, etc. Buildings of the bungalow type are planned.

## GARAGES

Plans Being Prepared.
GARAGES Cost, $25,000 and $10,000 respectively.
SAN FRANCISCO. Automobile Row.
Two one-story brick garages.
Owner—Withheld.
Architects—B. R. Christensen and H. L. Boxall, 230 Lick Bldg., San Francisco.

Contracts Awarded.
GARAGE Cost, $36,218
SAN FRANCISCO. Washington Street near Steiner.
Two-story and basement Class "C" garage.
Owner—Louis Rothenberg.
Architect—Fred'k. H. Meyer, Bankers' Invst. Bldg., San Francsico.
**General Contract** to John Spargo, 240 Montgomery St., $33,863.
**Electric Work** to Butte Elec. Equipment Co., $890.
**Plumbing** to Herman Lawson, $840.
**Painting** to Edwin Norman, $625.

Plans Being Prepared
GARAGE, ETC. Cost, $40,000
SEATTLE, Wash. Harvard Avenue and Pike Street.
Two-story concrete garage and stores.
Owner—Miss M. De B. Roberts.
Architect—David Myers, Lippy Bldg., Seattle.

Contract Awarded.
AUTO REPAIR BLDG. Cost, $——
SAN FRANCISCO. Polk Street.
One-story reinforced concrete auto repair building.
Owner—Jacob Weinstein.

# American Association of Engineers

The Technical Engineers' Service Organization.

**Officers.**

W. W. DeBERARD, Western Editor Engineering News-Record, Chicago ....FIRST VICE-PRESIDENT
T. A. EVANS, Structural Engineer, Meade-Morrison Co., Chicago .....SECOND VICE-PRESIDENT
JOHN ERICSON, City Engineer, Chicago..... TREASURER
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W. W. K. Sparrow, Chief. Eng. C. M. & St. P. Ry., Chicago.
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F. D. Richards, Bridge Eng., City of Cleveland.
A. A. Matthews, Chief Eng. St. L. S. W. R. R., Tyler, Texas.
E. F. Collins, Valuation Eng., St. L.-S. F. Ry., St. Louis.
C. H. Crawford, Baldwin Loco. Works, Philadelphia
Harold Almert, Consulting Eng., Chicago.
F. K. Bennett, Principal Asst. Eng., M. & St. L. Ry. Minneapolis.
J. H. Prior, Consulting Eng., Chicago.
Alexander Potter, Civil Eng., New York City.
J. N. Hatch, Consulting Eng., Chicago.

## NATIONAL HEADQUARTERS

**63 East Adams St.** **Chicago, Ill.**

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## San Francisco Chapter, A. A. E.

W. S. WOLLNER, General Safety Agent, N. W. P. R. R ..... PRESIDENT
J. F. JOHNSTON, Service Manager, Union Construction Co. FIRST VICE-PRESIDENT
W. H. PHELPS, Asst. Division Engineer, S. P. R. R.....SECOND VICE-PRESIDENT
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Membership ..... D. L. REYNOLDS
Qualification .....L. R. KESSING
Program ..... G. D. WHITTLE
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Publicity ..... V. D. COUSINS
Ethics and Compensation ..... E. E. CARPENTER
Public Affairs ..... R. Sachse
Relations with Other Organizations ..... R. M. BEANFIELD

**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

**Chapter Office** **700 Marston Building** **211 Kearny St., San Francisco**

## CHAPTERS & CLUBS:

**SACRAMENTO CHAPTER**

Lathrop, H. A.....Secretary
1321 Thirty-third St.,
Sacramento - - California

**LOS ANGELES CHAPTER**

Harris, A. L. .....Secretary
1104 Central Building
Los Angeles - - California

**PORTLAND CHAPTER**

Barnes, R. W. .....Sec. & Treas
36 Union Station
Portland - - - Oregon

**FRESNO CHAPTER**

Jean L. Vincenz.....Secretary
P. O. Box 922
Fresno - - - California

**SAN DIEGO CHAPTER**

Grumm, Fred.....Secretary
2898 Spruce Street
San Diego - - California

**SAN BERNARDINO CLUB**

Woods, M. A.....Secretary
608 Tenth Street
San Bernardino - California

**EUREKA CLUB**

Howard, F. W.....Secretary
Eureka - - - California

Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—T. G. and R. E. Meyer, 2628 Anza St., San Francisco.

Plans Being Prepared
GARAGE, ETC. Cost, $20,000
CHICO, Butte Co., Cal. Third and Wall Streets.
One-story concrete Class "A" garage and service station, 66½x92.
Owner—D. Breslauer, Waterlund-Breslauer Bldg., Chico.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico.

Contracts Awarded
GARAGE Cost, $16,000
SAN FRANCISCO, Fillmore Street near Haight.
One-story brick garage.
Owner—Mrs. A. West.
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.
**General Contract** to W. C. Duncan & Co., Sharon Bldg.
**Plumbing** to E. C. Curtis, 403 8th St.
**Electric Work** to Central Elec. Co., 185 Stevenson St.
**Painting** to F. Kiesel, 575 Fulton St.

Contract Awarded.
GARAGE Cost, $50,000
SAN FRANCISCO. W Dolores Street from Market to 14th Streets.
One-story and basement reinforced concrete garage.
Owner—Savings Union Bank & Trust Co., O'Farrell and Grant Ave., San Francisco.
Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.
Manager of Construction—C. R. Collopy, Care Savings Union Bank & & Trust Company.
Contractor—Mission Concrete Co., 180 Jessie St., San Francisco.

## GOVERNMENT WORK AND SUPPLIES

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, Bell Street Terminal, Seattle, up to February 23rd, 11 A. M., for furnishing and delivering the following materials under Requisition No. 459:

Parts for Sterling Gas Engine B-2; drive chains and spring cotters; reverse brake band for Paragon Reverse Gear; oilers; bolts; brass tubing; copper tubing; shaft couplings and spark plugs.

WASHINGTON, D. C.—Bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., up to 2 p. m., February 11th, and at the Mare Island, Navy Yard, Public Works Office, up to 11 a. m., on the same day for alteration of an existing double quarters, a dormitory and a mess hall and the construction of a new double quarters, at the Naval Radio Station, Yerba Buena Island, San Francisco Bay ,Calif. All of the buildings are of wood frame construction, with stucco and wood shingle exterior finish, plastered interiors and composition roofing. Drawings and specifications No. 4116 may be obtained on application to the Bureau or to the Commandant, Navy Yard, Mare Island, Calif.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commissoin, Bell Street Terminal, Seattle, Wash., up to February 25th, 11 A. M., for furnishing and delivering under Circular No. 401, horizontal centrifugal pumps and fittings, jacks, and derrick irons.

Plans Prepared.
ALTERATIONS Cost, $100,000
RENO, Nevada.
Alterations and additions to present post office.
Owner—United States Government.
Architect—F. J. De Longehamps, Gazette Bldg., Reno, Nevada.

NOTE:—Plans have been sent to Washington for approval. No appropriation has been made by Congress to finance construction.

WASHINGTON, D. C.—Among the many improvements recommended by Secretary of the Navy Daniels for the San Diego Naval base at San Diego, the following are now receiving the attention of the Naval Construction Committee:

North Island naval air station, $5,560,000.
Naval training station, $1,850,000.
Fleet repair base, $1,500,000.
Naval hospital, $1,250,000.
Marine brigade post, $5,225,00.
Naval supply station, $1,250,000.
Coaling station, $520,000.
Dredging channels, $3,770,000.
Removal of quarantine station, $475,000

The District Engineer of the United States Bureau of Public Roads, 886 Mills Building, San Francisco, opened bids on the 19th for nine and a half miles and sixteen and six-tenths mile sections of the Klamath River Road, in Siskiyou County.

These sections begin at the Humboldt County Line and end at the proposed bridge across the Klamath near the Blue Nose mine. Eight bidders submitted proposals as follows:

Wilmshurst & Reddy; MacArthur Bros. & Co.; Wm. B. Arndt; A. J. Fairbanks; F. Rolandi; Padgett & Kelly; Connors, Green & Co., and W. A. Bechtel.

The lowest bid was that of A. J. Fairbanks, at $276,819.71 for the 16.6 mile section, and $139,658.23 for the 9.5 mile section. The engineer's estimates were respectively $294,623.20 and $163,143.50.

SAN DIEGO, Cal.—Plans and specifications No. 4118, for distributing systems for electricity and steam at the marine base, San Diego, may be obtained on application to the Public Works Officer, 12th naval district, Timken Bldg., San Diego, or the commandant, 12th naval district, 412 Sheldon Bldg., San Francisco, on deposit of check or money order for $10 payable to the chief of the bureau of yards and docks as security for return of the same within 5 days after award of contract. Date for opening of bids not set.

WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer The Panama Canal, up to February 3rd, 10:30 A. M., for furnishiing and delivering the following materials, free of all charges, on dock at either Cristobal (Atlantic Port) or Balboa (Pacific Port), Canal Zone Isthmus of Panama, under Circular No. 1333:

Traveling crane, magnet wire, motor, switches, water buckets, water coolers, garbage cans, oil cans, cuspidors, tacks, blow torches, chain links, chain, turnbuckles, screw eyes, bed and door knobs, bed casters, barrel and chain bolts, hasps, hinges, latches, locks, padlocks, lanterns, wood handles, coal baskets, rattan baskets, caning, asbestos and horsehide gloves, paint brushes, folding rules, shannon transfer cases, note books, packing, pipe covering, asbestos gaskets, manila rope, cardboard, ledger paper, bond paper and crossties.

Further information may be had from the Assistant Purchasing Agent, Fort Mason, San Francisco.

Proposals will be received at the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., until 10 o'clock A. M., January 30, 1920, for delivering water closets, water-sewer rings, bituminous enamel, steering gear and sheathing felt, to the Navy yard, Mare Island, Calif. Apply for proposals to the Naval Purchasing Officer, San Francisco, Calif., or to the Bureau of Supplies and Accounts. SAMUEL McGOWAN, Paymaster General of the Navy.

## HALL & SOCIETY BUILDINGS

Completing Plans.
CLUB BUILDING Cost, $20,000
VALLEJO, Solano Co., Cal. York and Sacramento Streets.
Two-story frame and stucco club building.
Owner—Y. W. C. A.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.

Plans will be ready for figures in about a week. The building will contain a gymnasium, cafeteria and club rooms.

Plans Being Prepared.
CLUB HOUSE, ETC. Cost, $30,000
WOODLAND, Yolo Co., Cal.
Club house and swimming pool.
Owner—The Yolo Fliers Club, Woodland.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans to be Prepared.
LODGE BLDG., ETC. Cost, $——
SACRAMENTO, Cal. In Vicinity of 8th, 16th, I and L Streets.
Fireproof lodge and store building.
Owner—Sacramento Lodge, B. P. O. E., No. 6, Sacramento.
Architect—Not Yet Selected.

Figures Being Taken From a Selected List of Contractors.
CLUB BUILDING Cost, $20,000
VALLEJO, Solano Co., Cal. York and Sacramento Streets.
Two-story frame and stucco club building.
Owner—Y. W. C. A.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.

The building will contain a gymnasium, shower rooms with metal partitions, cafeteria and recreation rooms

## HOSPITALS

Plans Being Prepared.
COUNTY HOSPITAL Cost, $75,000
ELKO, Nevada.
Fireproof County Hospital.
Owner—Elko County.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno, Nevada.
Plans will be completed about March 1st.

Plans Being Prepared.
STATE HOSPITAL Cost, $200,000
RENO, Nevada. Near Reno.
Fireproof State Hospital.
Owner—State of Nevada.
Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.
Plans will be completed in March.

## HOTELS

DAVIS, Yolo Co., Cal.—City Attorney F. A. Plant has announced that the City Trustees will appoint a committee at its next meeting to investigate the need of a new hotel building. The committee will be asked to outline a plan for a modern structure.

## PUBLIC BUILDINGS

SAN FRANCISCO.—Bids will be received until February 3, 1920, at 12 noon, by the Board of Park Commissioners, for the furnishing and delivering of 900 feet, more or less, of millwork for show cases.

Complete specifications for same will be furnished at the office of the Curator of the Memorial Museum, Golden Gate Park. Jas. de Succa Secretary Park Commissioners.

Plans Being Prepared.
AUDITORIUM Cost, $30,000
LINCOLN, Placer Co., Cal.
Auditorium building.
Owner—City of Lincoln.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Prepared.
NATATORIUM Cost, $15,000
KLAMATH FALLS, Oregon.
One-story frame natatorium, 50x115 (2 concrete tanks; 100 dressing rooms with lockers).
Owner—Withheld.
Architect—E. E. McClaran, Lumber Exchange Bldg., Portland.

Architect Selected.
COURT HOUSE Cost, $150,000
RED BLUFF, Tehama Co., Cal.
Fireproof Court House.
Owner—Tehama County.
Architect—Geo. C. Sellon, 1005 8th St., Sacramento.

Commissioned to Prepare Working Drawings.
BATHHOUSES, ETC. Cost, $38,000
COLUSA, Colusa Co., Cal.
Concrete swimming pool, 40x120; filteration plant, brick or hollow tile and frame bathhouses (stucco exterior).
Owner—City of Colusa.
Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.

Plans will be completed and bids called for the first or second week of February.

Commissioned to Prepare Working Drawings.
SWIMMING POOL, ETC. Cost, $10,000
CHICO, Butte Co., Cal.
Concrete swimming pool, removable dam and build bathhouses.
Owner—City of Chico.
Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.
It is planned to only build the pool and dam this year and bids will be called for in about a month.

Plans Being Prepared.
COURT HOUSE Cost, $75,000
LOVELOCK, Nevada.
Fireproof Court House.
Owner—Pershing County.
Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.
Plans will be completed about March 1st.

Plans Being Figured. Bids Close Feb 4, 1920.
ADDITION Cost, $——
ARCADIA, Los Angeles Co., Cal.
Two-story brick addition to City Hall
Owner—City of Arcadia.
Architect—J. Wm. Roberts, 2337 3rd Ave., Los Angeles.

Plans Being Prepared.
COURT HOUSE Cost, $50,000
CARSON CITY, Nevada.
Fireproof Court House.
Owner—Ormsby County.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno, Nevada.
Plans will be completed in March.

SANTA MONICA, Los Angeles Co., Cal.—Engineers Leeds & Barnard, Central Bldg., Los Angeles, are completing plans for a new substructure for the Santa Monica reinforced concrete municipal pier and it is expected bids will be taken soon. Creosoted wooden piles will be driven to support the present concrete deck. Bonds to the amount of $75,000 have been voted for the work.

ANTIOCH, Contra Costa Co., Cal.—The City Board of Trustees has appointed Trustees J. A. Bonslett and Town Clerk J. E. McElheney to secure furniture and fixtures for the new Antioch City Hall now nearing completion by Contractor Lindgren Co., Monadnock Bldg., San Francisco, and for which plans were prepared by Architect Benj. G. McDougall, 244 Kearny St., San Francisco.

SAN FRANCISCO.—The State Board of Harbor Commissioners received the following informed bids on January 20th for the construction of a concrete foundation for boiler in the heating plant of the Ferry Building.

A contract will probably be awarded to the lowest bidder. D. C. McCabe, Call Building.

| | |
|---|---|
| D. C. McCabe | $1,498.00 |
| Alfred Vogt | 1,883.00 |
| F. Camp | 1,883.50 |
| Hannah Bros. | 1,975.00 |
| Thos. Clark | 2,097.00 |
| Branch & Coffer | 2,850.00 |

Plans Being Revised.
COUNTY JAIL Cost, $——
LIVINGSTON, Merced Co., Cal.
Fireproof Branch County Jail.
Owner—County of Merced. P. J. Thornton, County Clerk, Merced.
Architect—A. E. Cowell, County Engineer, Merced.
NOTE:—Bids received for this work a few weeks ago were too high and were rejected. They ranged from $11,000 to $15,000.

Plans Being Prepared.
GYMNASIUM, ETC.
LOS ANGELES, Cal. Jefferson High School Site.
Two-story brick assembly hall and gymnasium, 125x100.
Owner—City of Los Angeles.
Architects—Norman F. Marsh and Herbert C. Howard, Associated, Broadway-Central Bldg., Los Angeles.

ROSEBURG, Ore.—Dr. V. L. Ruiter of the Roseburg Sanitarium and head of the Ruiter Sanitarium Co., is planning the construction of a $200,000 tuberculosis sanitarium in Roseburg and two in the State of California, one in the northern section and another in the southern portion; the latter to cost approximately $500,000 each.

Negotiations are being made to close a deal for a site in Auburn, Placer County. Plans for the buildings have already been prepared by Architect R. D. McFarland of Boston, Mass., and immediate construction is expected.

Contract Awarded.
STATION Cost, $11,000
MAXWELL, Colusa Co., Cal.
One-story frame station.
Owner—Southern Pacific Co.
Architect—Architectural Dept., S. P. Bldg., San Francisco.
Contractor—B. A. Trobock, 180 Jessie St., San Francisco.

Contract Awarded.
SHOW CASES Cost, $1,833
SAN FRANCISCO. Golden Gate Park.
Glass for show cases for Memorial Museum.
Owner—San Francisco Park Commissioners.
Architect—None.
Contractor—W. P. Fuller & Co., 38[illegible] Mission St., San Francisco.

## RESIDENCES

To be Done by Days Work.
BUNGALOWS Cost, $6,000
DALY CITY, San Mateo Co., Cal.
Four-room frame bungalow.
Owner—Mrs. Gatje.
Architects—B. R. Christensen and H. L. Boxall, 230 Lick Bldg., San Francisco.

Contract Awarded
PARSONAGE Cost, $3,450
TURLOCK, Stanislaus Co., Cal.
Two-story frame parsonage.
Owner—Presbyterian Church of Turlock.
Architect—Not Given.
Contractor—Wm. MacGregor, Turlock.
The only other bidder was J. F. Knapp of Turlock at $3,545.

Plans Being Prepared.
ADDITION Cost, $1,500
SAN FRANCISCO. No. 2460 Lyon St.
Add servants' dining room to residence
Owner—J. J. Tynan, Premises.

Architects—Louis Upton and Milton Latham, 454 Montgomery St., San Francisco.

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Plans Being Prepared.
ALTERATIONS Cost, $4,500
SAN FRANCISCO. No. 2559 Green St.
Alterations and additions to frame residence.
Owner—Mrs. A. L. Gump.
Architects—Milton Latham and Louis Upton, 454 Montgomery St., San Francisco.

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Plans Being Prepared.
ALTERATIONS Cost, $25,000
SAN FRANCISCO. Presidio Terrace. No. 9 Scenic Way.
Extensive alterations and additions to two-story residence (add 6 rooms, interior and exterior alterations).
Owner—Don Lee.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

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Contract Awarded.
RESIDENCE Cost, $8,760
YUBA CITY, Sutter Co., Cal.
Two-story frame and stucco residence.
Owner—L. M. Lehner, Yuba City, Cal.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico.
Contractor—J. O. Palm, 632 11th St., Marysville.
The only other bidder was McDaniels & Burroughs at $9,874.

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Plans Being Prepared.
RESIDENCE Cost, $——
YUBA CITY, Sutter Co., Cal.
Two-story and basement frame and stucco residence (7 rooms).
Owner—W. Ray and C. Handeler, Marysville.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico.

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Sub-Figures Being Taken. To be Done by Days Work.
DWELLINGS Cost, $5,000
SAN FRANCISCO. Faxon Ave., Westwood Park.
Two one and one-half-story frame dwellings (6 rooms each).
Owner—H. C. Baumann.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

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Plans Being Prepared.
ADDITION Cost, $3,000
HILLSBOROUGH, San Mateo Co., Cal.
One-story 5-room addition to present frame residence.
Owner—Mr. Henry.
Architect—Ernest Norberg, 742 Market St., San Francisco.

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Working Drawings Being Prepared.
RESIDENCES Cost, $——
WOODSIDE, San Mateo Co., Cal. Portola Road, 2 miles from Woodside.
Two 2-story brick country residences 1 8 rooms and 1 12 rooms with 5 bathrooms, garage for 4 machines with 6 living rooms, stable, laundry, etc.
Owner—Withheld.
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.
There will also be a concrete swimming pool; concrete bridge; tennis courts, etc.
Work will be started on the drives, bridge and grounds in about a month.

Contract Awarded.
RESIDENCE Cost, $3,500
BURLINGAME, San Mateo Co., Cal.
One-story frame residence.
Owner—H. W. Schuck, 109 Arundel St., Burlingame.
Architect—None.
Contractor—W. O. Nicolaides, 218 Peninsula Ave., San Mateo.

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Contract Awarded.
RESIDENCE Cost, $16,872
OAKLAND, Alameda Co., Cal. Kingston and Monte Cresta Avenues.
Two-story and basement residence and garage, 9 rooms and sleeping porch
Owner—Mrs. Alice A. Carter.
Architect—Charles W. McCall, Central Bank Bldg., Oakland.
Contractor—A. Cederborg, 1445 E-37th St., Oakland.

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TURLOCK, Stanislaus Co., Cal.—The G. W. Hume Co., of Turlock, has announced its intention of expending $85,000 in extensions and improved equipment before the opening of another season. About $12,000 will go into twenty-two new cottages for the housing of workers, $35,000 for new machinery and the balance to the enlargement of the plant.

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Contract Awarded.
BUNGALOW, ETC. Cost, $——
PETALUMA, Sonoma Co., Cal. Prospect and Keller Streets.
One-story frame bungalow and garage.
Owner—Harvey Nelson, Petaluma.
Architect—None.
Contractor—Clark Trendall, Petaluma.

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Plans Being Prepared.
RESIDENCE Cost, $12,000
MARYSVILLE, Yuba Co., Cal.
Two-story and basement frame and stucco residence (8 rooms and 2 bathrooms).
Owner—D. E. Bryant, Marysville.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico.

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Plans Being Prepared.
RESIDENCE Cost, $——
MARYSVILLE, Yuba Co., Cal.
Two-story and basement frame residence (6 rooms).
Owner—Dr. A. E. Kline, Peri Bldg., Marysville.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.

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Plans Being Prepared.
RESIDENCE Cost, $7,150
MARYSVILLE, Yuba Co., Cal.
Two-story frame residence and separate garage (6 rooms).
Owner—Dr. P. B. Hoffman.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—McDaniels & Burroughs, 815 5th St., Marysville.

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Contract Awarded.
RESIDENCE Cost, $40,000
SAN FRANCISCO. SW Pacific Avenue and Lyon Street.
Two-story, basement and attic frame and plaster residence.
Owner—Leo J. Clayburgh.
Architects—Willis Polk & Co., Hobart Bldg., San Francisco.
Contractor—Chas. Stockholm & Son, Monadnock Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $10,000
MARYSVILLE, Yuba Co., Cal.
Two-story frame residence (8 rooms).
Owner—Gus Schneider, Marysville.
Architect—Chester Cole, Waterland-Bresleaur Bldg., Chico.

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Plans Being Prepared.
RESIDENCE, ETC. Cost, $13,000
BERKELEY, Alameda Co., Cal. SW Virginia St. and Bushnell Place.
Two-story and basement frame residence and garage (8 rooms and 3 bathrooms).
Owner—H. C. Macauley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

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FRESNO, Fresno Co., Cal.—With a capitalization of $100,000 the Liberty Building Company has been formed with the following as directors:

J. D. Craig, President, and Vice-President of the Fresno Planing Mill.

Geo. F. Sharp, Vice-President, Managing Director of the Liberty Theatre in Fresno.

Frank Minard of the Pierce Lumber Company.

J. O. Kerrick, Contractor with A. Smith, Secretary; W Thiele, G. Bingham, H. Coffee, H. Nelson and V. J. Cox all of Fresno.

The new company will erect frame dwellings to cost in the neighborhood of $6000 each to help the shortage of houses.

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LODI, San Joaquin Co., Cal.—The following permits for residences were granted by the City Trustees of Lodi:

Robert A. Ames, South School St., Lodi, frame dwelling; cost, $2,600.

L. S. Driggs, East Oak St., a dwelling to cost, $3,500.

Frank Freshour, Stockton St., a dwelling to cost, $2,000.

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Plans Being Prepared.
BUNGALOWS Cost, $4,000 each.
SANTA ROSA, Sonoma Co., Cal. Spring Street.
Four one-story frame bungalows.
Owner—Barnett & Reading, Santa Rosa
Architect—Not Given.

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Contracts Awarded.
RESIDENCES Cost, $11,000
SAN FRANCISCO. Twenty-ninth Ave. near California Street.
Eight two-story and basement frame residences (8 rooms and basement garage each).
Owner—Allen Co.
Architect—Earle Bertz, 68 Post St., San Francisco.
Contractor—Thos. Hamill, 4101 Balboa St., San Francisco.
**Electric wiring** awarded to The Pacific Electric Construction Co., 947 Webster Street.
**Concrete work**—C. C. Sayre, 541 26th Avenue.
**Plumbing**—Chas. W. Higgins, 1306 Shrader Street.

## SCHOOLS

Plans Being Prepared.
SCHOOL Cost, $50,000
REDMOND, Oregon.
Union High School.
Owner—Redmond Union High School District.

Architect—A. M. Standish, The Dalles, Oregon.

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Plans Being Completed. Construction to be Started in About 6 Weeks.
SCHOOL Cost, $——
HUGHSON, Stanislaus Co., Cal.
Two-story brick or tile school (14 classrooms).
Owner—Hughson Union High School District. C. H. Edison, Clerk.
Architect—Hugh Y. Davis, Stockton.
NOTE:—Bonds of $90,000 sold.

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Commissioned to Prepare Plans.
SCHOOL Cost, $——
WILLOWS, Glenn Co., Cal.
Brick and concrete grammar school.
Owner—Willows Grammar School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

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Plans Being Figured. Bids Close Feb. 25, 1920, 8 P. M.
SCHOOL Cost, $15,000
WALNUT CREEK, Contra Costa Co., Cal. Pleasant Hill School District bet. Walnut Creek and Martinez.
One-story frame and plaster school (2 rooms and an auditorium).
Owner—Pleasant Hill School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Plans may be obtained from Mr. Coulter's office on a deposit of $10.

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Plans Being Prepared. Bond Election to be Held February 3rd.
SCHOOL Cost, $51,000
ROSEVILLE, Placer Co., Cal.
Terra cotta tile grammar school (8 class rooms, library and auditorium seating 600.
Owner—Roseville Grammar School District.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

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MADERA, Madera Co., Cal.—Hateley & Hateley, Mitau Bldg., Sacramento, have been awarded the contract for the installation of the heating plant in the addition to the Madera Union High School Building, they being low bidders at $9,780. Other bids were:
James & Drucker, S. F.....$13,340
Carl T. Doell, Oakland..... 15,087
D. Stephenson, Madera..... 16,241
Plans for the plant were prepared by the B. A. Newman Engineering Co. of Fresno. The addition will contain 6 class rooms and auditorium and will be of brick construction, according to plans prepared by Architects Swartz & Ryland, Rowell Bldg., Fresno.

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Plans Prepared. Bonds Yet to be Voted
SCHOOL Cost, $30,000
DENAIR, Stanislaus Co., Cal.
High school building.
Owner—Denair High School District.
Architect—Hugh Y. Davis, Belding Bldg., Stockton.

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LODI, San Joaquin Co., Cal.—No architect has been selected, as yet, to design the proposed Lodi school building which is estimated to cost $90,000. It is planned to erect a structure containing eight rooms, assembly hall and heating plant, one-story in height of brick or interlocking tile construction. The site for the proposed building covers an area of 300 by 320 feet

PASADENA, Los Angeles Co., Cal.—J. A. B. Scherer, President of Throop College, announces that donations have been received for the erection of a fireproof hall at the college and work will be started soon Plans have been prepared by Architect Bertram G. Goodhue, 2 W-47th St., New York City. The building will be in the Spanish renaissance style of architecture and will contain hall for art exhibitions and public gatherings, offices, etc.; cost, $75,000.

## STORES AND OFFICES

Plans to be Prepared.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. E Montgomery St. S Bush St.
Class "A" office building.
Owner—Murry F. Vandall, Mgr. Pacific Title Insurance Co., 101 Montgomery St., San Francisco.
Architect—Not Selected.
An architect will be selected in about two months.

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Plans Being Figured.
ALTERATIONS Cost, $12,000
SAN FRANCISCO. N Sutter Street bet. Montgomery and Kearny Streets.
Alter three-story Class "C" store and loft building (alter front and interior).
Owner—Geo. L. Bishop.
Architect—J. R. Miller, Lick Bldg., San Francisco.

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Plans Being Figured.
STORE BLDG. Cost, $12,000
SAN FRANCISCO. Fillmore Street near Eddy.
One-story Class "C" reinforced concrete store building.
Owner—Jos. Shoenfeldt, Cr. Architect.
Architect—Frederick H. Meyer, Bankers' Invst., Bldg., San Francisco.

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Plans to be Prepared. Construction to Start in the Spring.
BUSINESS BLOCK. Cost, $——
WINNEMUCCA, Nevada. On Site of Summerfield Livery Stable.
Two-story concrete business block, 100 x125.
Owner—W. L. Wilkinson, Winnemucca, Nevada.
Architect—Not Given.

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TELEPHONE EXCHANGE
Cost, $900,000 to $1,500,000.
SEATTLE, Wash. Third Avenue and Seneca Street.
Eight-story Class "A" telephone exchange.
Owner—Pacific Telephone & Telegraph Company.
Architect—Eng. Dept. of Owner, Sheldon Bldg., San Francisco (Mr. E. V. Cobby in charge).
NOTE:—The exact height of the building has not been decided.

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Contract Awarded.
POST OFFICE, ETC. Cost, $35,000
MARYSVILLE, Yuba Co., Cal. Second and Oak Streets.
Three-story Class "C" brick post office and rooming house (50 rooms).
Owner—Fred Peardon, Marysville.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico.
Contractor—Rolla Thompson, Marysville.

Plans Being Figured. Bids Close Jan. 24, 1920.
ALTERATIONS Cost, $6,000
CHICO, Butte Co., Cal.
Alterations to stores and rooming house (15 rooms and 2 stores).
Owner—Mrs. Hulda Breslauer, 1266 McAllister St., San Francisco.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico.

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Plans Being Figured.
ALTERATIONS Cost, $15,000 to $20,000
OAKLAND, Alameda Co., Cal. Ninth and Broadway (Water Company's Building).
Alter building into large butcher shop (deepen basement, lower first floor to street level, tile, marble, plate glass work, etc.)
Owner—Withheld.
Architect—A. A. Cantin, 68 Post St., San Francisco.

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Plans Being Prepared.
OFFICES, ETC. Cost, $——
SPARKS, Nevada. Twelfth and B Sts.
Four-story brick lodge rooms, stores and offices, 100 ft. frontage.
Owner—Sparks Masonic Building Association.
Architect—F. M. Schadler, Reno, Nev.
NOTE:—Construction will not be started for at least four months.
Members of the Building Committee are: C. N. Cheney, T. F. Moran, J. S. Juniper, A. B. Sission and W. S. MacPherson.

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Contract Awarded.
PUBLISHING PLANT Cost, $——
WILLOWS, Glenn Co., Cal. Sycamore Street.
One-story fireproof newspaper publishing plant, 25x115.
Owner—Willows Daily Journal, Ed. M. Sehorn, Willows, Cal.
Architect—Not Given.
Contractor—Paul Watkins, Willows.

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Plans Being Prepared.
OFFICES, ETC. Cost, $——
SAN FRANCISCO. S California 91.8 E Front 45-10x137-6.
Five or six-story reinforced concrete office and commercial building.
Owner—Leon Lewin, 112 California St., San Francisco.
Architect and Contractor—MacDonald & Kahn, Railto Bldg., San Francisco.

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Sketches Being Prepared.
BANK AND OFFICES Cost, $750,000
SPOKANE, Wash. Howard St. and Riverside Avenue.
Four-story and basement fireproof bank and office building, 115x96.
Owner—Exchange National Bank. William Huntley and C. E. McBroom, Vice Presidents, and S. A. Kimbrough, Cashier.
Architect—Julius Zittel, Spokane.

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Plans Being Prepared.
CAFETERIA, ETC. Cost, $25,000
FRESNO, Fresno Co., Cal. Cherry Ave. and "I" Street.
Cafeteria, nursery and assembly hall.
Owner—Rosenberg Bros., 334 California St., San Francisco.
Architect—Eng. Dept. of Owner, San Francisco.

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Contracts Awarded.
PAVILION Cost, $——
SAN MATEO, Co. "Filoli" Canada da Raymundo.

One-story brick garden pavilion.
Owner—W. B. Bourn.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.
**Plastering** awarded to C. C. Morehouse, San Francisco, for $1,763.
**Marble Floors and Base** to American Marble & Mosaic Co., San Francisco, for $1,312.

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Contract Awarded.
ALTERATIONS Cost, $4,175
SAN FRANCISCO. No. 951 Market St.
Alterations to store (new front and interior fixtures).
Owner—Withheld.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—J. Harold Johnson, 771 28th Ave., San Francisco.

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Contract Awarded.
STORES AND OFFICES Cost, $12,000
SAN FRANCISCO. S California W Front.
Two-story and basement reinforced concrete stores and offices.
Owner—Walter Sullivan, 129 Sutter St., San Francisco.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.

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Contract Awarded.
AUTO SALESROOM Cost, $100,000
SACRAMENTO, Cal. Twelfth and "K" Streets.
Three-story and basement reinforced concrete auto salesrooms, 80x160.
Owner—Moeller Bros., Sacramento.
Architect—Jens C. Petersen, Peoples Savings Bank Bldg., Sacramento.
Contractor—McGillvray Constr. Co., Capitol National Bank Bldg., Sacramento.

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Contract Awarded. Contractors to Take Sub-Figures.
DEPARTMENT STORE Cost, $——
OAKLAND, Cal. Broadway bet. 14th and 15th Streets.
Two-story and basement reinforced concrete department store.
Owner—Withheld for Present.
Lessee—Manheim & Mazor, Oakland.
Architect—B. J. Joseph, Call Bldg., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

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Plans Being Prepared.
ALTERATIONS Cost, $15,000
FRESNO, Fresno Co., Cal. No. 926 "J" Street.
Alter second floor of furniture store; erect balconies, shelving, dustproof rooms, etc.
Owner—Brooks Furniture Co., Prem.
Architects—Glass & Butner, Cory Bldg. Fresno and Hearst Bldg., San Francisco.

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Contract Awarded. Machinery and Supplies to be Purchased.
OFFICE BLDGS. Cost, 6½ Million dollars
TOKIO, Japan.
Two office buildings (steel frame and reinforced concrete, 7 stories).
Owner—Mitsue Interests (Japan Oil Co. and Japanese Boat Co.)
Architect—Companies Engineers.
Contractor—Geo. A. Fuller Co., New York & D. L. Norris, Palace Hotel, San Francisco Representative.

Mr. Norris leaves for Japan on the 30th instant.

The Geo. A. Fuller Co. of New York have the contract to erect two office buildings to cost about 6½ million dollares at Tokio, Japan, for the Mitsue Interests (a Japanese Co., similar to the Standard Oil Co. of America.)

Mr. Norris is now purchasing screening and rock crushing machinery. He leaves for the orient on the 30th inst.

Mr. Norris also states that his company is closing contracts for the erection of a Class "A" hotel and also a bank building to be erected in Japan to cost about 3½ million and 2½ million dollars respectively.

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Plans Being Prepared.
AUTO SALESROOMS Cost, $20,000
PORTLAND, Ore. SE 11th and Couch Streets.
One-story brick auto salesrooms, 100x 100.
Owner—Rodney L. Glisan, Portland.
Architects—Houghtaling & Dougan, Elks' Club Bldg., Portland.

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LOS ANGELES, Cal.—Architect Chas. F. Plummer ,1108 Story Bldg., Los Angeles, reports that contracts for remodeling the four-story and basement building at 617-619 S. Broadway, Los Angeles, for Meyer Siegel have been awarded as follows: Marble and tile work to B. V. Collins; basement fixtures to Purcell Bros; show windows and mezzanine fixtures to Standard Cabinet Co.; fixtures for the first and second floors to L. & E. Emanuel Co. of San Francisco; third floor fixtures and finish carpenter work to M. R. Foley; glass to California Glass & Paint Co.; hardwood floors to National Hardwood Floor Co.; fourth floor fixtures to Wheat Cabinet Co.; sprinkling system to Pacific Fire Extinguisher Co.; plastering and suspended ceilings to William McIntyre; electric wiring to F. E. Newbery Co. The total cost will be about $150,000.

## THEATRES

Contract Awarded.
ALTERATIONS Cost, $70,000
SACRAMENTO, Cal. No. 1203 "J" St.
Extensive alterations to theatre.
Owner—Strand Theatre.
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.
Contractor—Mathews Construction Co., Forum Bldg., Sacramento.

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Bids Over Estimate.
ALTERATIONS Cost, $125,000
STOCKTON, San Joaquin Co., Cal. Main and San Joaquin Streets.
Extensive alterations to theatre and store (new entrance, interior decoration, heating system, etc.)
Owner—Yosemite Theatre Co.
Architects—Weeks & Day, Phelan Bldg., San Francisco.

NOTE:—Bids were opened January 21st and were too high. What action will be taken has not been decided.

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Plans Being Prepared.
ALTERATIONS Cost, $20,000
SAN FRANCISCO. No. 1226 Fillmore Street.
Extensive alterations to motion picture theatre.
Owner—Lyric Theatre, S. Gordon, Mgr.
Architects—Reid Bros., 105 Montgomery St., San Francisco.

The interior will be modernized and probably a new organ installed.

Plans to be Prepared.
THEATRE Cost, $500,000
FRESNO, Fresno Co., Cal. "J" St. No. 1317 to 1321.
Class "A" motion picture theatre.
Owner—Kinema Investment Co. (Oliver and Emil Kehrlein), Oakland and Fresno, Cal.
Architect—Not Selected (in competition).

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Plans to be Prepared.
THEATRE Cost, $1,000,000
OAKLAND, Alameda Co., Cal.
Class "A" motion pictude theatre.
Owner—Kinema Investment Co. (Oliver and Emil Kehrlein).
Architect—Not Selected (in competition).

NOTE:—The selection of an architect will be made in about six weeks.

# ENGINEERING

## BRIDGES, DAMS & HARBOR WORK

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council, S. A. Evans, City Clerk, has received a petition urging the calling of a bond election to secure funds with which to finance construction of a bridge on Barson street over the San Lorenzo river. It is estimated the structure will cost $50,000.

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SANTA ROSA, Sonoma Co., Cal.—The County Supervisors, W. W. Felt Jr., County Clerk, has ordered the County Engineer to proceed with the preparation of plans for the construction of a bridge across Purrington Creek, on the so-called new Occidental road, leading from Graton to Occidental.

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LOS ANGELES, Cal.—Until 11 A. M., Feb. 2, bids will be received by the Supervisors of the Los Angeles County Flood Control District for improving the flood channel of Balboa creek in accordance with plans and specifications which may be obtained at the office of the Board. The work consists of excavating a channel about 4 miles in length, 150 ft. wide, and an average of 4 to 5 ft. in depth extending from a point near Palms to the ocean, at Playa Del Rey. About 170,000 cu. yds. of excavation, dragline and shovel work is involved. Some small wooden structures will be included by the bidder in the cost of excavation. Certified check for 10% required. A. M. McPherron, Clerk.

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STOCKTON, San Joaquin Co., Cal.—Preliminary plans for Stockton's new harbor, the work estimated to cost $4,000,000, have been presented to the City Council for Sherman A. Judd, engineer. The specifications call for widening the present channel from its present width of 250 feet to 1200 feet and increasing the water frontage nearly seven times. A. L. Banks is City Clerk.

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SAN DIEGO, Cal.—Until 10 A. M., Jan. 28, bids will be received by the City Clerk for all labor, equipment and materials (except sheet piling to be furnished by city) for constructing a sheet piling bulkhead at the north end of the Old Town bridge over San

Pacific PIPE

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PACIFIC PIPE CO.,
231 Howard St. San Francisco

Diego river. Certified check for 5% required. E. D. Williams, superintendent purchasing department.

LONG BEACH, Los Angeles Co., Cal.—Harbor Engineer James F. Collins has submitted to the city commission a report recommending an expenditure of $2,496,390 to enlarge the harbor facilities to accommodate 34 large ocean going vessles, including new wharves, wider and deeper channels and turning basin and extension of jetties. A partial improvement plan to cost $1,443,350, not including extension of jetties is suggested; also another to cost $1,904,590, omitting widening channels Nos. 2 and 3.

FRESNO, Fresno Co., Cal.—George F. Cokley, Woodland, has applied to the Railroad Commission for authority to build a dam to impound the waters of Panoche and Silver Creeks in Fresno County. He intends to become a public utility, his plans calling for the sale of water for irrigation purposes. He estimates that the dam will cost $195,000.

PORTERVILLE, Tulare Co., Cal.—Engineer Geo. B. Sturgeon, 260 California St., San Francisco, has been selected as chief engineer of construction for the South Tule Independent Ditch Company, including a storage reservoir and a new distribution system through which to handle the water to which the irrigators are entitled from Tule river. As soon as Mr. Sturgeon completes his plans and specifications steps will be taken to issue $80,000 in bonds. It is estimated the work will consume five to seven months.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by Eugene D. Graham, County Clerk, up to February 3rd, 10 A. M., for repairing the Garwood Ferry bridge, located about 3½ miles southwest of Stockton, on the Roberts Island road, over the San Joaquin river (said bridge having a total length of 354 feet and consisting of a 280 foot swing span and one 73 foot approach span), in accordance with specifications prepared by County Surveyor F. E. Quail.

TRANQUILLITY, Fresno Co., Cal.—The following contracts have been awarded by the Directors of the Tranquillity Irrigation District, W. J. Williams, Secretary, from plans prepared by Engineers Jensen & Ross, Patterson Block, Fresno:

**133,000 cubic yards excavation and embankment in reconstructing ditches in Section 1,** awarded to J. E. Johnson, Tracy, at 27 cents per yard.

**120,000 cubic yards of excavation and embankment in constructing new canals in Section 2,** awarded to J. E. Johnson, Tracy, at 38 cents per yard.

**30,000 cubic yards excavation in Fresno slough,** awarded to J. E. Johnson, Tracy, at 55 cents per cubic yard.

The contract for the construction of one inverted pipe siphon under the Hanford and summit Lake Railroad was not awarded.

CHICO, Butte Co., Cal.—A mutual water drainage district to drain approximately 10,000 acres south of the Biggs-Richvale road is projected by James A. Banyon, H. R. Vail, Charles Bayliss and Charles Hanson. Attorney Herbert W. Whitten is handling affairs for the proposed district.

**Meeting Board of Public Works, January 21st.**

City Engineer instructed to start proceedings for the construction of sewers in Cowden street between Ankeny and Wilde avenue, estimated to cost, $3,000.

Plans approved for reinforced concrete comfort station on the Ocean Beach Esplanade between Fulton and Cabrillo streets and bids ordered received for construction up to February 25th. The estimated cost of construction is $25,000.

Bids ordered received up to March 3d for furnishing and delivering 47-inch by 90 inch slide gates under Contract No. 66, Hetch-Hetchy Project. Estimated to cost $120,000. The bond has been fixed at $40,000.

Bids ordered up to March 10th for furnishing and delivering under Contract No. 68, five foot balanced valves, estimated to cost $155,000. Bond fixed at $50,000.

Bids ordered received up to March 24th for furnishing and delivering 33-inch by 42-inch slide gates under Contract No. 67, Hetch Hetchy Project, estimated to cost $130,000. Bond fixed at $40,000.

Bids ordered up to March 31st for furnishing and delivering under Contract No. 69, Hetch Hetchy Project, 3-foot balanced valves. Estimated cost $75,000, bond $25,000.

Bids ordered received up to January 28th for furnishing and delivering 5,005 feet 24-inch diameter riveted steel air pipe for ventilation of tunnels in the aqueduct construction, Mountain Division, Hetch Hetchy Project. Estimated cost, $10,500. Bond fixed at $1,500. Delivery of this material is to be made in seven shipments.

**Bids opened.**

The following bids were received by the Board:

**Furnishing and Installing Auxiliary Water Supply System in County Jail.**

| | | Alternate |
|---|---|---|
| J. E. O'Mara | $3,100.00 | $2,363 |
| The Turner Co. | 4,060.00 | 3,400 |
| A. Lettich | 2,734.00 | 1,883 |
| J. C. Carson | 3,195.00 | 2,950 |

**Improvement of Evans Avenue Between Napoleon and Army.**

| | |
|---|---|
| E. W. Vewell | $ 9,900.00 |
| J. P. Holland | 7,535.00 |
| Owen McHugh | 14,190.00 |
| M. Dillon | 9,240.00 |

**Improvement of Circular Avenue Between Sunnyside and Santa Rosa.**

No bids received for this work which involves 3,664 lin. ft. of concrete curbing, 53,132 asphalt and 1,400 square feet of brick pavement and the construction of 16,660 square feet of sidewalk.

**Hearst Avenue Between Edna and Detroit.**

| | |
|---|---|
| Federal Const. Co. | $10,153.00 |
| C. B. Eaton | 10,915.00 |
| Flinn & Treacy | 10,937.00 |

**Hearst Avenue Between Detroit and Baden.**

| | |
|---|---|
| Federal Const. Co. | $19,822.80 |
| C. B. Eaton | 21,887.55 |
| Flinn & Treacy | 22,145.85 |

The Board ordered proceedings started providing for the construction of sidewalks in Mississippi street between Mariposa and 18th streets.

HANFORD, Kings Co., Cal.—Engineer Edward M. Lynch, Central Bldg., Los Angeles, submitted plans for the proposed storm drain to the city trustees, and same were approved.

## IRRIGATION PROJECTS

**IRRIGATION WORK PLANNED.**

COLUSA, Colusa Co., Cal.—More than $200,000 will be spent by the Colusa Delta Farms Company to rehabilitate its present irrigation system. Engineer L. K. Jordan, Supt. of the Moulton Water Company, has been placed in charge of the proposed improvements which will be placed under way in the immediate future.

## SEWERS, STREET WORK & WATER SYSTEMS

FLORENCE, Ariz.—Until 2 P. M., Feb. 16, bids will be received by the Pinal County highway commission for constructing a reinforced concrete arch bridge, 45 feet clear span, on the Kelvin-Hayden road near Ray Junction. Plans and specifications may be obtained from W. W. Lane, highway engineer for the sum of $5. E. G. Dentzer, Secretary.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to Bates & Borland, Oakland Bank of Savings Bldg., Oakland, for the improvement of portions of Porter, Suter, Octavia and Abbey streets by grading; constructing concrete curbs and gutters; cement sidewalks and paving with oil macadam.

FLORENCE, Ariz.—R. Twohy & Son of Phoenix, submitted the lowest bid at about $95,000 for grading the Florence-Casa Grande Road, about 30 miles in length.

Geo. S. Benson & Sons of Los Angeles, submitted the only other bid at about $127,000.

HOLTVILLE, Imperial Co., Cal.—Until 8 P. M., Feb. 5, bids will be received by City Clerk Ida B. Robinson for paving portions of Sixth, Seventh and Eighth streets, Olive, Pine, Cedar, Palm Artesia, Holt, Fern, Orange, Walnut and Maple avenues. The work is divided among three assessment districts under the Improvement Bond Act of 1915. All the paving will have 2½-in. bituminous base and 1½-in. Warrenite surface except that on Holt avenue and a part of Walnut avenue, which will have 3½-in. base. The paving will vary in width from 20 to 52 feet.

RIVERSIDE, Riverside Co., Cal.—Until 10 A. M., Feb. 3, bids will be received by City Clerk H. C. Cree for paving Magnolia avenue between Jurupa and Arlington avenues with oil macadam and constructing corrugated iron and concrete culverts and a cement pipe drainage sewer. A 10-ft. pavement will be laid on each side of the street with a parking space in the center. Work will be done under Improvement Act of 1911.

SACRAMENTO, Cal.—Plans for the improvement of Santa Barbara Way from J to L streets were not adopted by the City Commission at its last meeting owing to the protest of City Commissioner G. C. Simmons. The specifications called for the use of "Warrenite," a bitulithic pavement, Simmons said he wanted the words "or its equal" inserted.

The specifications were referred back to City Engineer Miller, who will seek information from the State Highway Commission and ascertain if there are other street surfacing materials that are just as good as Warrenite, and perhaps cheaper.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Engineer has been instructed by the City Council to prepare plans and specifications for 6-inch sewer on Dakota avenue, northerly from Leonard street. S. A. Evans is City Clerk.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The City Council has authorized the construction of approximately 6,650 feet of 5-foot sidewalks and curbs in Mill street between Essex and Johnson street.

PETALUMA, Sonoma Co., Cal.—City Engineer Frost, at the last meeting of the City Council, submitted plans and specifications providing for the improvement of Hayes avenue. The estimated cost of the work is placed at $1,717.44. A call for bids will be issued shortly. Lyman Green is City Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Street Department has been authorized to lay 300 feet of 18-inch drain pipe in Myrtle street northerly from Laurel, also to construct drains on three streets running off Riverside avenue, south of the Cut-bias bridge.

S. A. Evans is City Clerk.

PHOENIX, Ariz.—The $1,300,000 bonds voted to construct the Verde gravity water system for the city of Phoenix will be insufficient if any of the bids received January 16 are accepted, in the opinion of the city commsision. Of the nine bids received the lowest for pipe alone amounted to $884,000. The commission has not yet determined on a probable course of action.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received up to February 2nd, 8 P. M., by the City Trustees, Charles E. Daley, City Clerk, for the improvement of the following streets:

Ferry, Mill, Mason, Castro, Estudillo, Smith, Howard, Main, Ward, Thompson, Mellus, Henrietta, Susana, Jones and intersections.

FRESNO, Fresno Co., Cal.—County Highway Engineer Chris. P. Jensen has completed plans and specifications for the following units of the county highway system and will present them to the Supervisors at the next meeting when it is probable that n call for bids will be issued.

From Sanger to Ventura avenue, a length of about 1.5 miles.

Del Rey avenue, from Adams avenue to Del Rey avenue and west to McCall avenue, a mileage of 3.5.

Two small units from Kingsburg connecting the Fresno county system with the Tulare county highways; total length a little less than one mile.

Clovis avenue—a part of the projected route from Ventura avenue to Clovis—mileage 2.5 .

Bids will no doubt be taken under the four alternate specifications, black or white base with a choice of three types of tops—Warrenite, Jensenite or Topeka. D. M. Barnwell is County Clerk.

SALINAS, Monterey Co., Cal.—January 26th is the date set by the City Council, M. R. Keef, City Clerk, to discuss the proposed improvement of the following streets:

West Gabilan, from Salinas to Capitol streets.

Central avenue, from Main street to city limits.

Church street, from Central avenue to Clay street.

Winham street, full length.

Harvest street, full length.

Chestnut street, from South Main to Pajaro streets.

Market street, from Main to Natividad streets.

Salinas street, from Gabilan to Alisal streets.

Soledad street, from Gabilan to Lake streets.

North Main street, from Main street to railroad tracks.

Lincoln avenue, from Central avenue to Clay street.

Sausal street, from Main to Soledad streets.

San Luis street, from Main to Front streets.

VENTURA, Ventura Co., Cal.—T. E. Hill & Co., 1011 Washington Bldg., Los Angeles, submitted the lowest bid at $115,494.46 and was awarded the contract for improving approximately 8 miles of the Santa Paula-Ojai road, of which 4 miles is to be paved with concrete, bids opened January 20, 1920. Chas. Petit, County Surveyor. County will furnish cement, sand and gravel. The contract involves (a) 86,000 cu. yds. excavation at 86c yd.; (b) 20,950 lin. ft. shaping roadbed at 20c ft.; (c) 4125 cu. yds. Class A concrete paving $6.16 yd.; (d) 368 cu. yds. Class B concrete in culverts and bridges at $13.98; (e) 310 ft. 18-in. metal pipe at $3.65 ft.; (f) 324 ft. 24-in. metal pipe at $4.45 ft.; (g) 100 ft. 30-in. metal pipe at $6.10; (h) 162 ft. 36-in. metal pipe at $7.46; (i) 21,800 lbs. reinforcing steel at 11c lb.

Other bidders were: Geo. S. Benson & Sons, Los Angeles; C. H. Hudson, Los Angeles; David H. Ryan, San Diego; and McPeak, Dillon & Co., Los Angeles.

SANTA ROSA, Sonoma Co., Cal.—The City Council has instructed the Engineer to submit estimates of cost for the construction of cement concrete sidewalks in West Eighth street.

Cement sidewalks were ordered constructed on Boyse and Decker streets from Donahue to the city limits. Ida McL. Doggett is City Clerk.

BLYTHS, Riverside Co., Cal.—Olmsted & Gillelen, Consulting Engineers, Hollingsworth Bldg., Los Angeles, will prepare plans and estimates for a sewer system for Blythe. They are the engineers on the municipal water system, construction of which will be started soon.

SACRAMENTO, Cal.—The Good Roads Committee at a recent meeting discussed the proposed road from the end of the Natomas boulevard to the east levee of District 1500 in order that Sacramento might secure trade from that section.

A committee has been formed to further plans for immediate construction. The estimates of construction are divided as follows:

Concrete road on levees, Natomas boulevard to Sutter county line, four and a quarter miles, at $15,600 per mile, $66,300.

Concrete road on levee, Sutter county, to cross canal, District 1001, three and a quarter miles, $50,700.

Lift span, eighty feet long, cross canal bridge with flooring and asphalt surface, $40,000.

Widening levee of District to 24 feet for 1.7 miles, $12,600.

Concrete road to Feather river crossing 1.7 miles, $26,500.

Feather river steel draw span bridge half mile north of Vernon, trestles and approaches, $200,000.

Trestle over bypass, 7000 feet long, built like Yolo causeway, asphalt top, $137,900.

Total, $534,000.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, is considering plans prepared for the improvement of the following streets:

Cross streets between Jefferson and Clay streets from Twelfth to the inner harbor; the improvement of Madison street between Twelfth and Seventh street; improvement of Jackson street between Tenth and Seventh street; improvement of Alice street between Seventh street and the inner harbor and improvement of Ninth street from Alice to Fallon streets.

BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has passed a resolution of intention providing for the mprovement of

Broadway from the south boundary line north to Hillcrest by grading, curbing and guttering with concrete, and paving with a vitrified brick pavement on a concrete foundation.

CARMEL, Monterey Co., Cal.—S. Ruthven, Monterey, submitted the only bid to the City Trustees, Grace P. Wickham, City Clerk, for grading and graveling Casanova street between the south line of Ocean avenue and the north line of Thirteenth avenue, and between the south line of Ocean avenue and the north line of Lucia avenue, and Carmelo street between the south line of Ocean avenue and the north line of San Lucia avenue. The bid was $11,867.

FRESNO, Fresno Co., Cal.—The City Engineer has completed plans and will present same to the Trustees for approval at the next meeting for a safety zone station at the northeast corner of Tulare street and Van Ness Boulevard. The "zone" will be a raised concrete platform with coping and lighted with two electroliers. Chas. Dillon is City Clerk.

LOS ANGELES, Los Angeles Co., Cal.—Until 11 A. M., January 26, bids will be received by the Board of Supervisors for constructing 12,680 lin. ft. of 5-in. oiled macadam ; avement 22 ft. wide on Francisquito Ave. between Covina Blvd. and Glendora Ave., near Puente, in Road Improvement District No. 147-A. Approximate quantities: 3150 cu. yds. excavation; 12,700 lin. ft. shaping roadbed; 9400 tons of crushed rock; 740 bbls. of oil; 207 cu. yds. Class A concrete in dips; 720 lbs. reinforcing steel; 240 ft. 18-in. and 32 ft. 12-in. corrugated metal pipe culvert; average haul 3.7 miles from Crushton; estimated cost to contractor, $26,000; total estimated cost, $34,200. The county will furnish the crushed rock. Certified check or bid bond for 10% required. A. M. McPherron, Clerk.

FRESNO, Fresno Co., Cal.—Contracts for the construction of three units of the county highway system have been awarded by the County Supervisors as follows:

Fresno-Coalinga road connecting link, 2.50 miles, awarded to A. H. Vaughan, Hanford, Cal., at $1 per cubic yard for grading; 27 cents for paving, and culverts $3,500; total $73,562.57.

Oil City road, mileage 2, awarded to Hugh Crummey, Hearst Bldg., San Francisco, at grading, $1.45; 25 cents for paving, and culverts $2,000; total, $46,762.50.

Derrick boulevard, 6.01 miles in length, awarded to Hugh Crummey, at $1.45 far grading and 26 cents for paving; total, $139,455.

All of the above stretches will be of the black base construction. Chris. P. Jensen is County Highway Engineer.

WILLOWS, Glenn Co., Cal.—The Board of Directors of the Jacinto Irrigation District M. A. Fisk, Secretary, is contemplating the completion of a permanent water supply system for the district.

PHOENIX, Ariz.—The Maricopa County Highway Commission will re-advertise for bids for the construction of the 278 miles of road in the county highway system provided for by a $40,000,000 bond issue eliminating concrete construction, according to a statement issued by the commission following its action in rejecting bids received January 12. Bids will be taken for a rock-filled base with 2-in. Topeka or Warrenite top. The commission says the county now owns an accessible supply of suitable rock for constructing such a type of road.

LODI, San Joaquin Co., Cal.—Bids will be received by H. S. Clark, City Clerk, up to February 2nd, 8 P. M., for furnishing and delivering the following materials f. o. b. cars Lodi:

Alternative bids for S. G. V. sewer pipe or Standard cement pipe as follows:

2100 ft. of 14-inch pipe.

Also for excavating and backfilling 2100 ft. of ditch 3 ft. in width, depth 6 ft., more or less, including tunnelling under railroad right of way.

Also for delivering material and pipe on ground and laying of same in trench. For this, bidder will furnish his own sand and cement.

Certified check of 10% payable to City Clerk must accompany each bid.

SANTA ROSA, Sonoma Co., Cal.—The bid of A. J. Fairbanks, Willits, has been accepted by the County Supervisors, W. W. Felt Jr., County Clerk, for a graveled section 3.7 miles long on the Petaluma-Sonoma road, his bid being $23,152 for a 16 foot road 5 inches thick. The bid for excavating was $1.15 a cubic yard.

OAKLAND, Cal.—Bids will be received by City Clerk L. W. Cummings, up to January 29th, 12 M., for the construction of a vitrified pipe sewer, 8 inches in diameter, in 26th avenue from East Tenth street to a point 75 feet northeast including vitrified pipe lamp hole with brick and cast iron top and vitrified pipe Y branches with 5-inch openings.

SACRAMENTO, Cal.—The following bids were received January 19th by the California State Highway Commission for highway improvement in four counties:

Inyo County, between Indian Allotment and Division Creek (VI-Iny-23-A), about 7.5 miles in length to be graded.

J. L. Connor, Los Angeles....$26,950.00
Chas. Soteras, Los Angeles.. 22,467.40
Engineer's Estimate, $24,762.95.

Riverside County, between NE Cor. Sec. 6, T. 7 S., R. 8 E., S. B. B. & M., and Southerly Boundary (VII-Riv-26-G), about 143 miles in length to be paved with Portland cement concrete.

Chas. Soteras, Los Angeles..$254,938.20
Engineer's Estimate, $239,359.

Fresno County, between Oil King School and Huron Road (VI-Fre-10-E), about 12 miles in length to be paved with Portland cement concrete.

Jos. G. Donovan, Los Angeles.$238,935
Engineer's Estimate, $163,854.50.

Imperial County, between Gravel Wash and Northerly Boundary (VII-Imp-26-E), about 8.3 miles in length to be paved with Portland cement concrete.

Imperial County, between Tule Wash and Gravel Wash (VII-IMP-26-D), and 6.5 miles in length to be paved with Portland cement concrete.

No bids received on either of the above.

SAN JOSE, Santa Clara Co., Cal.—Bids will be received by Henry A. Pfister, County Clerk, up to February 16th, 11 A. M., for the improvement of Cohalan avenue in Supervisor District No. 4.

MARTINEZ, Contra Costa Co., Cal.—The California Corrugated Culvert Co., 5th and Parker Sts., Emeryville, on a bid of $13,784.74 was awarded the contract by the County Supervisors, R. R. Arnold, County Engineer, for furnishing culverts to be used in the construction of the County highway system. Bids were also received from the Western Pipe & Steel Co. and the Madwell Culvert Co., both of San Francisco.

LODI, San Joaquin Co., Cal.—The City Trustees, H. S. Clark, City Clerk, have instructed City Engineer Barzellotti to prepare plans for pavement connecting with Cherokee Lane. The work is estimated to cost $1,600.

OROVILLE, Butte Co., Cal.—The City Engineer has completed plans for paving the upper portion of Montgomery street and will present same to the City Trustees for approval.

TULARE, Tulare Co., Cal.—A. H. Vaughn of Hanford was awarded the contract at $23,761.88 for paving Inyo street between I and D streets, Bush street between north city boundary and Southern Pacific main track, and J street between south city boundary and Southern Pacific main track, with 4-in. concrete, 20 feet wide and 5-ft. dirt shoulders on each side. Vaughn's unit prices were $1.50 cu. yd. for excavation and $20 cu. yd. for concrete paving. E. C. Moran submitted the only other bid at $24,887.28, his unit prices being $1.59 for excavation and $20.90 for concrete paving. Work will be done under Improvement Bond Act of 1915. Herrick Berryhill, City Engineer.

DOUGLAS, Ariz.—Proceedings will be instituted for paving 45 additional blocks in the city. City Engineer M. F. Bane has prepared plans for improving Seventh, Eighth and Fourteenth Sts., between G and Dolores Avenues; Thirteenth Street between Railroad and Dolores; G Avenue between Eighth and Fourth.

FLORENCE, Ariz.—Littlejohn & Singleton of Tucson, submitted the lowest bid at $91,934.64 for constructing 12 miles of county highway between Oracle and Mammouth. R. Twohy & Son bid $115,081.47 and Geo. S. Benson & Sons of Los Angeles, bid $136,790.

In reporting that the British Marconi Wireless Telegraph Co. has announced the production of a wireless direction finder which enables ships to discover each other's position in the densest of fogs, Consul Leslie E. Reed has forwarded from London two descriptive pamphlets, "Marine Pattern Wireless Direction Finder—Type 11" and "Direction Finding by Wireless." These pamphlets may be examined at the Bureau of Foreign and Domestic Commerce or its district offices upon referring to file No. 130130.

# Official Proposals.

### BIDS WANTED FOR CLEARING SITE

#### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN that the Snow Mountain Water and Power Company will receive at its office, 216 Pine Street, San Francisco, California, **up to 2 o'clock P. M. of February 16th, 1920,** sealed bids for the clearing of the Gravelly Valley reservoir site, in Lake County, California, of all trees, brush, logs, etc., whether alive or dead, standing or fallen. Maps and specifications for the clearing of said reservoir site, are on file in the office of the Snow Mountain Water and Power Company in San Francisco, and Ukiah, California, to which all bidders are hereby referred.

The Company reserves the right to reject any and all bids.

Dated, January 15th, 1920.

SNOW MOUNTAIN WATER AND POWER COMPANY.

By W. S. Graham, General Manager.

### BIDS WANTED FOR ALTERATIONS TO SACRAMENTO POST OFFICE. INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 12, 1920.—SEALED PROPOSALS will be opened in this office at **3 P. M., February 18, 1920,** for the extension, remodeling, etc., of the United States Post Office and Court House at Sacramento, Calif. Drawings and specifications may be obtained from the Custodian at Sacramento, Calif., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

### NOTICE TO CONTRACTORS.

Sanitary District No. 2, will receive bids for the construction of 415 ft. of 6" sewer in Madera Park Tract in accordance with plans now on file with Secretary of the Board. Bids will be opened February 11th at 8:00 P. M. Board reserves right to reject any and all bids.

B. W. TOMPKINS, Secretary.
Corte Madera, Cal.

Dated Jan. 23, 1920.

### STATE CORPORATION DEPARTMENT

Wilkinson Manufacturing Company, San Bernardino—To issue 700 shares to P. H. Wilkinson in exchange for certain real and personal property and to sell 50 shares each to W. D. Newerf and R. E. Wilkinson, and thereafter to sell 200 shares at par $100 for cash. The company proposes to acquire, operate and carry on the business of manufacturing vulcanizers and other automobile accessories and parts, also a general manufacturing and foundry business.

Woodward Way Manufacturing Company, Sacramento—To sell 510 shares to certain persons in exchange for 11 applications for letters patent and one patent and to sell 490 shares to secure funds for the construction of a new building and to acquire tools, machinery, materials, merchandise and working capital.

The company proposes to own, operate and conduct a general repair shop and sheet metal and electrical construction work and principally to manufacture and sell certain automobile devices, for which applications for letters patent are pending in the United States Patent Office.

Taylor Mayhew Pump Company, Oakland—To issue 12,750 shares of its capital stock to H. H. Taylor and F. J. Mayhew in exchange for their right, title and interest in the application for letters patent for the manufacture of oscillating pumps. The company proposes to sell 2,000 shares of its common and 2,000 shares of its preferred capital stock at par $1.00 per share for the purpose of securing equipment, etc.

Artana-Geoffroy Company, Inc., San Jose—To issue 5,000 shares at par $10 per share to its incorporators for cash heretofore expended on behalf of the corporation or to be paid to it. The company was organized for the purpose of engaging in the foundry and machinery business.

### WOOLLETT & LAMB QUIT ARCHITECTURAL LEAGUE.

SACRAMENTO, Cal.—The local architectural firm of Woollett & Lamb has sent a letter to the Civic Architectural League of Sacramento, stating its desire to discontinue its membership in the organization "as now constituted." The letter expresses the firm's desire for "co-operation when directed along right lines."

In conclusion the letter states the firm would "work under an embarrassment if associated too closely with the same interests that have spoken for you recently, and therefore we seek but a fair share of local work in connection with the school construction program on the basis that our experience might prove of service to the city."

The letter follows the plan of the local architect's league to combine and obtain the job of planning the new bond schools in Sacramento.

### STATE CORPORATION DEPARTMENT

Oxnard Home Builders' Corporation, Oxnard, Ventura County—To sell 1,000 shares of its capital stock at par $100 for cash. The permit is issued upon the condition that 500 shares are to be subscribed for on or before June 1, 1920. The company was organized for the purpose of acquiring sites in the city of Oxnard and erecting thereon buildings primarily for residential purposes.

Carmel Canning Company, San Francisco—To issue 2,000 shares of its capital stock to 25 persons at par $100, for cash. The company proposes to purchase real property at Monterey and to build, equip and operate a fish canning plant thereon.

### TRIALS OF A BUSINESS MAN.

To the Editor—Sir: I have been held up, held down, sandbagged, walked on, sat on, flattened out and squeezed; first by the United States Government for federal war tax, excess profits tax, Liberty Loan bonds, thrift stamps, capital stock tax, merchant's license, auto tax and by every society and organization that the inventive mind of man can suggest, to extract what I may or may not possess.

From the Society of John the Baptist, the G. A. R., the Woman's Relief, the Navy League, the Red Cross, the Black Cross, the Purple Cross, the Double Cross, the Children's Home, the Dorcas Society, the Y. M. C. A., the Boy Scouts, the Jewish Relief, the Belgian Relief and every hospital in town.

The Government has so governed my business that I do not know who owns it. I am inspected, suspected, examined, re-examined, informed, required and recommended so I do not know who I am, where I am or why I am here. All I know is, I am supposed to be an inexhaustible supply of money for every known need, desire, or hope of the human race, and, because I will not sell all I have and go out and beg, borrow or steal money to give away, I have been cussed, discussed, boycotted, talked to, talked about, lied to, lied about, held up, hanged, robbed and nearly ruined; and the only reason I am clinging to life is to see what in the hell is coming next.

X. Y. Z.

### DRILLING WELL AND CASING BIDS WANTED.

YUBA CITY, Sutter Co., Cal.—Bids will be received up to February 2nd, 7:30 P. M., by City Clerk, C. C. Kline, for boring wells and furnishing casings.

Bidders are requested to submit bids on the boring of one 12-inch well with capacity of 500 gallons per minute, and for furnishing 12-inch standard casing for same, bid extensions on the boring and casing to be made separately. Depth of well to be approximately not less than 200 feet.

Each firm submitting bids shall accompany the same with a certified check in the sum of $250 made payable to the City Treasurer.

### BUSINESS OPPORTUNITIES.

Kinney, Frome, Parr Co., 311 Cooper St., Camden, New Jersey, is in the market for oil-burning heating apparatus for residences, banks and schools.

C. R. Biedorman, Hereford, Arizona is in the market for coal oil lamps.

Walter Stock, Torchu, Alberta, Canada, desires to get in touch with San Francisco firms equipped to manufacture galvanized tin articles.

### COUNTY PURCHASING AGENT NAMED.

UKIAH, Mendocino Co., Cal.—C. V. Van Dyke, son of County Assessor Van Dyke, has been appointed by the County Supervisors as County Purchasing Agent. Hale Prather is County Clerk.

### AMERICAN-MADE FURNITURE IN FRANCE

Furniture made by the school boys of America is proving a godsend in northern France and Belgium where that commodity costs ten times as much as it did before the war.

Two thousand five hundred pieces made by the Junior Red Cross have been distributed in the last few weeks. This represents one shipment of tables chairs and other household furniture made by American boys in manual training schools. The furniture is not elaborate but stout and of good wood, and French government officials, who inspected it, pronounced it "very creditably made."

Five milion persons are endeavoring to keep house this winter in these devastated areas, many of them in the crudest forms of shelter

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| | | | |
|---|---|---|---|
| 136 | Rolph | Healing | 500 |
| 137 | Eberhardt | Owner | 500 |
| 138 | Keell | Klein | 500 |
| 139 | Blum | Pizza | 500 |
| 140 | Gilmoure | Owner | 10000 |
| 141 | Western Union | Owner | 1800 |
| 142 | Grannuci | Owner | 6500 |
| 143 | Leonard | Owner | 20000 |
| 144 | Leong | Filippis | 10000 |
| 145 | St. Joseph | Dorward | 19860 |
| 146 | St. Joseph | Turner | 3979 |
| 147 | Trahan | Vaughn | 4250 |
| 147 | Dondero | Owner | 700 |
| 148 | Reid | Owner | 500 |
| 149 | Desimone | Bonco | 1000 |
| 150 | Johnson | Owner | 1000 |
| 151 | Adelstein | Hansen | 2000 |
| 152 | Smith | Finnigan | 10000 |
| 153 | Strand | Owner | 6000 |
| 154 | Associated Oil | Vogt | 960 |
| 155 | Becker | Meyer | 16000 |
| 156 | Maurino | Coburn | 900 |
| 157 | McCain | Hansen | 7000 |
| 158 | Blind | Urfer | 900 |
| 159 | Morris | Morris | 7000 |
| 160 | Morris | Morris | 6000 |
| 161 | Alexandrian | Braunton | 3000 |
| 162 | Hooper | Grace | 1000 |
| 163 | Landegren | Owner | 3900 |
| 164 | Bank of Italy | Cal Granite | 200000 |
| 165 | Jensen | Owner | 4700 |
| 166 | Allred | Owner | 8000 |
| 167 | Sullivan | Fennell | 12000 |
| 168 | Freeborn | Duncan | 85000 |
| 169 | Stiefel | Owner | 3900 |
| 170 | Weissbein | Meyer | 4975 |
| 171 | Coccellato | Owner | 900 |
| 172 | McKenna | Owner | 500 |
| 173 | Pechner | Braas | 1900 |
| 174 | Bergers | Mullen | 6950 |
| 175 | Kahn | Moller | 975 |
| 176 | Hehfeld | Ahl | 648 |
| 177 | Janssen | Owner | 7900 |
| 178 | Rothenberg | Spargo | 31848 |
| 179 | Same | Norman | 625 |
| 180 | Same | Butte | 890 |
| 181 | Same | Lawson | 840 |
| 182 | Workman | Owner | 5000 |
| 183 | West | Duncan | 17000 |
| 184 | Andersen | Owner | 4900 |
| 185 | Little | Owner | 100000 |
| 186 | Claybaugh | Stockholm | 10000 |
| 187 | Granat | Ready | 500 |
| 188 | Eisenbach | Owner | 12500 |
| 189 | Patton | Owner | 2500 |
| 190 | Rapport | Johnson | 4175 |
| 190 | Stenhouse | Kopf | 4326 |
| 191 | Barin | Button | 450 |
| 192 | Churchia | Owner | 500 |
| 193 | Stand Underg'd | Steel Tank | 4000 |
| 194 | Novelty. | Cox | 600 |
| 195 | Sansome | Morris | 6000 |

#### PERMITS.

ALTERATION
(136) NO 40 ARGUELLO BLVD. Alter for basement garage, install doors, etc.
Owner—W. Rolph. Premises.
Architect—None.
Contractor—Geo. Healing, 110 Jessie, San Francisco.
COST, $500

SHOP
(137) W ELEVENTH 335 S Folsom. One-story frame machine shop.
Owner William Eberhardt, 15 Bessie Ave., San Francisco.
Architect—None.
COST, $500

ALTERATION
(138) NO 1541 EIGHTH AVE. Raise and move dwelling; alter for basement garage.
Owner—A. G. Keell, 1370 11th Ave., San Francisco.
Architect—None.
Contractor—F. A. Klein, 1123 24th Ave., San Francisco.
COST, $500

RAISE DWELLING
(139) NO. 145 WEBSTER. Raise dwelling; ratproof floor, etc.
Owner—M Blum, 21 Flood Ave., San Francisco.
Architect—None.
Contractor—L. Pizza, 137 Chilton Place, San Francisco.
COST, $500

ALTERATION
(140) NW BATTERY AND PACIFIC Sts. Remove present partitions; install freight elevator for lofts.
Owner—Wm. G. Gilmour, 180 Jessie, San Francisco.
Architect—None.
COST, $10,000

ALTERATION
(141) NO. 357 TEHAMA. Alter and change for store room.
Owner—Western Union Telegraph Co., 742 Market, San Francisco.
Architect—None.
COST, $1800

DWELLING
(142) NW FRANKLIN AND FRANCISCO. One-story and basement frame dwelling.
Owner—E. Grannuci, 643 Front, San Francisco.
Designer—Albert Massagli, 147 Parker Ave., San Francisco.
COST, $6500

RESIDENCES
(143) E MONCADA 75-125 N Cedro. Two two-story and basement frame residences.
Owner—Joseph A. Leonard, 90 Cedro Ave., San Francisco.
Architect—Owner.
Day's work. COST, $10,000 each

ALTER AND ADD
(144) E STOCKTON 34-3 N Jackson N 35-3xE 96-9. Alterations and additions to building.
Owner—Willie Leong.
Architect—Wm. Wilde, Nevada Bank Bldg., San Francisco.
Contractor—V. Filippis, F. S. Damante and D. Amoroso, 1526 Powell, San Francisco.
Filed Jan. 19, '20. Dated Jan. 14, '20.
On 1st and 15th of each mo.... 75%
Usual 35 days ..... 25%
TOTAL COST, $10,000
Bond, $5100. Sureties, B. Gozzaneo and F. Corballi. Forfeit, none. Limit, 90 days. Plans and specifications filed.

BOILERS
(145) BUENA VISTA AND PARK Hill Ave. All work to install and erect, complete, on foundation, boilers for water, steam and blow-off piping connection.
Owner—St. Joseph's Home and Hospital (a corp.). Premises.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—Dorward Engineering Co. (George Dorward & Jacobina Dorward), 503 Market, San Francisco.
Filed Jan. 19, '20. Dated Dec. 15, '19.
On delivery of boilers ..... 50%
Completed and accepted ..... 25%
60 days after ..... 25%
TOTAL COST, $19,860
Bond, $10,000. Sureties, Geo. Symon and S. C. Symon. Forfeit, none. Limit, 120 days after date of signing contract. Specifications only filed.

ELECTRIC WORK
(146) ELECTRIC WORK FOR BOILER room annex together with an adjacent section of the main building on above.
Contractor—The Turner Co. (a Corp.), 272 Natoma, San Francisco.
Filed Jan 19, '20. Dated Dec. 1, '19.
1st day of each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $3979
Bond, $2,000. Sureties, S. D. Allen and D. Turner. Forfeit, none. Limit, 90 days after signing contract Plans and specifications filed

#### PERMITS.

ALTERATION
(147) SW COLUMBUS AND GREENwich. Alter drug store front; glass and marble work, etc.
Owner—J. Dondero, Lansdale, Marin County, Calif.
Architect—None.
COST, $700

ALTERATION
(148) SW CAPITAL AND OCEAN Aves. Remove present floor and lay concrete.
Owner—W. Reid, 1040 Santa Clara Ave., Alameda, Cal.
Architect—None.
COST, $500

ALTERATIONS
(149) NO. 261 FAIR OAKS. Raise present building and make alterations and repairs.
Owner—Nick Desimone, 261 Fair Oaks, San Francisco.
Architect—None.
Contractor—L. Bonco & F. Moridno, 38 Lippard, San Francisco.
COST, $1000

ALTERATIONS
(150) NO. 192 HAIGHT Alterations and general changes for candy store.
Owner—Theodore Johnson.
Architect—None.
COST, $1000

ALTERATION
(151) NO. 1636 FILLMORE. Remove present store front and alter interior.
Owner—Sam Adelstein, 1831 Baker, San Francisco.
Contractor—F. L. Hansen, Inc., 2000 Polk, San Francisco.
COST, $2000

ALTERATIONS
(152) S MARKET 275 E 6th. Alterations and interior changes for dance hall quarters.
Owner—Guy C. Smith, Strand Theatre, San Francisco.
Architect—None.
Contractor—James Finnegan, 525 California, San Francisco.
COST, $10,000

FLATS
(153) W TWENTIETH AVE. 100 S Anza. Two-story and basement frame flats.
Owner—T. B. Strand and T. J. Strand, 614 Broderick San Francisco.
Architect—O. H. Oyen, 1049 14th, San Francisco.
COST, $6000

SERVICE STATION
(154) SW POST AND LARKIN. One-story steel service station.
Owner—Associated Oil Co., Sharon Bldg., San Francisco.
Architect—None.
Contractor—A. H. Vogt, 185 Stevenson, San Francisco.
COST, $960

#### RECORDED.

RESIDENCES
(155) N BALBOA 25 E 32nd Ave E 100 N N 75. All work for four four-room and bath residences.
Owner—Geo. J. Becker and Geo. A. Bertram, 1636 Polk, San Francisco.
Architect—None.
Contractor—Theodore G. Meyer and Rollin E. Meyer, 2628 Anza St., San Francisco.
Filed Jan. 20, '20. Dated Jan. 19, '20.
Frame up ..... $4000
Brown coated ..... 4000
Completed and accepted ..... 4000
Usual 35 days ..... 4000
TOTAL COST, $16,000
Bond, none Limit, 100 days. Forfeit, none Plans and specifications filed.

**PERMITS.**

REPAIRS
(156) NO. 3729 ARMY. Replace rustic on flats where damaged by fire.
Owner—B. J. Maurino, 3729 Army, San Francisco.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie, San Francisco.
COST, $900

DWELLING
(157) SE EASTWOOD DRIVE AND San Ramon Way. One-story and basement frame dwelling.
Owner—I. F. McCain, 318 Kearny, San Francisco.
Architect—I. F. McCain, 318 Kearny, San Francisco.
Contractor—H. J. Hansen, 1327 20th Ave., San Francisco.
COST, $7900

ALTTRATION
(158) NO. 169 SIXTH. Install new store front.
Owner—Hind Estate Co., 245 Montgomery, San Francisco.
Architect—None.
Contractor—Chas. E. Urfer, 134 Halleck, San Francisco.
COST, $900

DWELLING
(159) EASTWOOD DRIVE, WESTwood Park. One-story and basement frame dwelling.
Owner—Linnie Morris, 132 Judson Ave., San Francisco.
Architect—A. W. Smith, 1010 Broadway, Oakland
Contractor—G. W. Morris, 132 Judson Ave., San Francisco.
COST, $7000

DWELLING
(160) MIRAMAR AVE., WESTWOOD Park. One-story and basement frame dwelling.
Owner—Linnie Morris, 132 Judson Ave., San Francisco.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—G. W. Morris, 132 Judson Ave., San Francisco.
COST, $6000

ALTERATION
(161) NW CLAY AND FRONT. New store front, changes on brick walls, etc., for offices.
Owner—Mrs. N. E. Alexandrian.
Architect—None.
Contractor—Harold Braunton, 180 Jessie, San Francisco.
COST, $3000

ALTER AND REPAIR
(162) NO. 2549 GREEN. Repair brick steps, and general interior alterations for residence.
Owner—J. G. Hooper, First National Bank Bldg., San Francisco.
Architect—None.
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.
COST, $1000

DWELLING
(163) W THIRTY-SIXTH AVE. 125 S Lincoln Way. One-story and basement frame dwelling.
Owner—Edw. L. Landegren, 419 Golden Gate Ave., San Francisco.
Architect—None.
Day's work Cost, $3,900

**RECORDED.**

FURNISH AND SET GRANITE
(164) NW POWELL AND EDDY N 65 W 75-2 N 10 W 100-3½ S 75 E 175-5½ m or l. Furnish and set all granite for bank building.
Owner—Bank of Italy, SE Montgomery and Clay Sts., San Francisco.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—California Granite Co., 185 Stevenson St., San Francisco.
Filed Jan. 21, '20. Dated Dec. 2, '19.
Payments weekly of actual amount of pay roll and incidentals commencing Dec. 16, 1919...
Total on completion not to exceed .....$18,000
Usual 35 days, balance..... 20,000
TOTAL COST, $200,000
Bond, $100,000. Sureties, Stanley Pedder, G. Bocci, Andrew Carlaw, L. Bocci & Sons, P. J. Freeman, Sackri Hendrickson, Sefanias Hendrickson, Luke M. Carroll, Matthew J. Carroll and Harvey E. Blackwell. Limit, 75 days. Forfeit, $1. Plans and specifications filed.

**PERMITS**

ALTERATIONS
(165) NE BUSH AND LARKIN. Fill in balance of 2nd floor slab and take out portion of present brick wall in center, alterations for offices, etc.
Owner—G. P. W. Jensen, 320 Market, San Francisco.
Architect—Sylvain Schnalttacher, 233 Post, San Francisco.
Day's work. COST, $4700

FRAME DWELLING
(166) SE CORTES AND DORNATES Aves. One-story and basement frame dwelling.
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.
Architect—None.
Day's work. COST, $8000

STORES AND OFFICES
(167) S CALIFORNIA 82-6 W Front. Two-story and basement concrete stores and offices.
Owner—Walter H. Sullivan, 129 Sutter, San Francisco.
Architect—Leo J. Devlin, 759 Pacific Bldg., San Francisco.
Contractor—Pennell & Chisholm, 180 Jessie St., San Francisco.
COST, $12,000

APARTMENTS
(168) SW CHURCH AND MARKET. Three-story and basement Class "C" brick apartments and stores.
Owner—Freeborn Estate Corp., Care Architect.
Architect—Nathaniel Blaisdell, 255 California, San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
COST, $85,000

FRAME DWELLING
(169) E FORTY-FIRST AVE 198-8 N Balboa. One-story and basement frame dwelling.
Owner—John V. Stiefel, 184 23rd Ave., San Francisco.
Architect—None.
Day's work. COST, $3900

REPAIR SHOP
(170) S GEARY 82½ E 12th Ave. One story concrete auto repair shop.
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Meyer Bros., 2628 Anza, San Francisco.
COST, $4975

ALTERATIONS
(171) NO. 1519 HAIGHT. Alter and changes for market; concrete flooring, etc.
Owner—M. Coccellato, Premises.
Architect—None.
Day's work. COST, $900

ALTERATIONS
(172) NW MISSION AND SEVENteenth. Alter front and painting on interior and exterior of store.
Owner—Wm. McKenna, 3276 20th St., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(173) NO. 695 MARKET. Remove present front and replace with new store front.
Owner—J. T. Pechner, 695 Market St., San Francisco.
Architect—Morrow & Garren, 1501 Chronicle Bldg., San Francisco.
Contractor—Brass-Kuhn Co., 1916 Bryant, San Francisco.
COST, $1900

ALTERATIONS
(174) NO. 956 MARKET. Change entrance; widen mezzanine floor and install skylights.
Owner—"Bergers," Premises
Architect—H. P. Vollmer, Flood Bldg., San Francisco.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco.
COST, $6950

ALTERATION
(175) NO. 227 MONTGOMERY. Erect mezzanine floor; change location of counters, etc.
Owner—Kahn, Feder & Brandt, 227 Montgomery, San Francisco.
Architect—None
Contractor—R. W. Moller, 614 New Call Bldg., San Francisco
COST, $975


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ALTERATION
(176) NO. 1673 PAGE Move partitions; install garage doors; cement floor, etc., for flats.
Owner—Edw. Hohfeld, 715 3rd Ave., San Francisco.
Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.
COST, $648

DWELLINGS
(177) E TWENTIETH AVE 125 and 250 N Geary. Two one-story and basement frame dwellings.
Owner—E. A. Janssen, 802 Hearst Bldg., San Francisco.
Architect—None
Day's work. COST, $3950 each

RECORDED

EXCAVATION ONLY

(178) S WASHINGTON 31-3 E Lyon. E 75 x S 100-4½. All work of excavation, concrete, plaster, roofing, tinning, carpenter, glazing, hardware, mill work, for a two-story and basement reinforced concrete garage building.
Owner—Louis Lethenberg, Banks' Investment Bldg. San Francisco.
Architect—Fred'k. H. Meyer, Bankers' Investment Bldg., San Francisco
Contractor—John Spargo, 240 Montgomery, San Francisco.
Filed Jan. 22, '20. Dated Jan. 19, '20
First of each month .....75%
Usual 35 days .....25%
TOTAL COST, $31,8[illegible]
Bond, $15,924. Sureties, D. J. Sullivan and E. P. Shortall. Deficit none. Limit, 60 days. Plans and specifications filed.
NOTE—Permit reported Jan. 17, 1920 No. 131.

PAINTING
(179) PAINTING ON ABOVE.
Contractor—Edward P. Norman, 3733 — 24th, San Francisco.
Filed Jan. 22, '20. Dated Jan 19, '20
Payments same as above.
TOTAL COST, $625
Bond, Sureties, Forfeit, None. Limit, 60 days. Plans and specifications filed.

ELECTRIC WORK
(180) ELECTRICAL WORK ON above.
Contractor—Chas F. Butte as Butte Electrical Equipment Co., 530 Folsom, San Francisco.
Filed Jan. 22, '20. Dated Jan. 19, '20.
Payments same as above.
TOTAL COST, $890
Bond, Sureties, Forfeit, None. Limit, 60 days. Plans and specifications filed.

PLUMBING
(181) PLUMBING ON ABOVE.
Contractor—Herman Lawson, 110 Jessie, San Francisco.
Filed Jan. 22, '20. Dated Jan. 19, '20
Payments same as above
TOTAL COST, $840
Bond, $420. Sureties, J. R. O'Brien and Jas. Pinkerton. Forfeit, none. Limit, 60 days. Plans and specifications filed.

**PERMITS.**

DWELLING
(182) S FULTON 181 T Clayton. Two-story, and basement frame dwelling.
Owner—W. B. Workman, 1014 Ellis, San Francisco.
Architect—None.
COST, $5,000

GARAGE
(183) E FILLMORE 95 N Haight. One-story brick garage.
Owner—Alpha West, Bankers Investment Bldg., San Francisco.
Architect—Smith O'Brien, Bankers' Bldg., San Francisco.
Contractor W. C. Duncan & Co., Sharon Bldg., San Francisco.
COST, $17,000

RESIDENCE
(184) S JUDAH 107-6 W 11th Ave. One-story and basement frame residence.
Owner—Andersen Bros., 315 Clipper, San Francisco.
Architect—None.
COST, $4,900

APARTMENTS
(185) SE LEAVENWORTH AND SUTTER. Five-story and basement Class C apartments.
Owner—M. A. Little, 805 Bush, San Francisco.
Architect—Edw. E. Young, 251 Kearny, San Francisco.
This work. COST, $100,000

RESIDENCE
(186) SW LYON AND PACIFIC AVE. Two-story, basement and attic frame residence.
Owner—Leo. J. Clayburgh, San Francisco.
Architect—Willis Polk & Co., Hobart Bldg., San Francisco.
Contractor—Chas. Stockholm & Sons, Monadnock Bldg., San Francisco.
COST, $40,000

ALTERATION
(187) NO. 2250 MISSION ST. Change front, show windows, etc., for jewelry store.
Owner—Gratal Bros., 2248 Mission, San Francisco.
Architect—None.
Contrator—Wm. M. Reedy, 267 Ellsworth, San Francisco.
COST, $500

ALTERATION
(188) NO. 617 MARKET. Alter front, new stairway, terrazzo, gas heating, windows, etc.
Owner Eisenbah Co., Flatiron Bldg., San Francisco
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
COST, $12,500

ADDITION
(189) NO. 1121 POLK. Build boiler room and equip apartments for steam heating.
Owner—Louis J. Patton, 2906 Telegraph Ave., Berkeley, Cal.
Architect—None.
COST, $2500

**RECORDED.**

ALTERATIONS
(190) NO. 951 MARKET. Alterations and additions to restaurant.
Owner—M. Rapport, 312½ San Jose Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—J. Harold Johnson, 180 Jessie, San Francisco.
Filed Jan. 23, '20. Dated Jan. 21, '20.
Payments every Saturday of.. 75%
Usual 35 days..... 25%
TOTAL COST, $4175
Bond, none. Limit, 24 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today.

**PERMITS.**

ALTERATIONS
NO. 847 FLORIDA. Install two bay windows, change interior partitions, etc., for dwelling.
Owner—A. Longo, Premises.
Architect—Grant E. Smith, 255 Paris, San Francisco.
Contractor—Chas. S. Smith, 311-A San Jose Ave., San Francisco.

DWELLING
(190) N CHENEY AVE, 85 E Walker Ave., Oakland. One-story 6-room dwelling.
Owner—Gainer S. Stenhouse, 2432 Montana St., Oakland.
Architect—None.
Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland.
COST, $4326

GARAGE
(191) NO. 5546 CLAREMONT AVE., Oakland, Garage.
Owner—F. H. Darin, Premises.
Architect—None.
Contractor—I. W. Button, 347 63rd St., Oakland.
COST, $450

ADDITION
(192) NO. 9234 "E" ST., Oakland. Addition.
Owner—J. Churchia, Premises.
Architect—None.
Day's work. COST, $500

STEEL TOWER
(193) NO. 1050 FIRST ST., Oakland, Steel tank tower.
Owner—Standard Underground Cable Co., Premises.
Architect—None.
Contractor—The Steel Tank & Pipe Co., 4th and Harrison Sts., Berkeley.
COST, $4,000

FACTORY
(194) LOWELL AND SIXTY-FIRST Sts., Oakland. One-story factory.
Owner—Novelty Products Co.
Architect—None.
Contractor—G. G. Cox, Hotel Berkeley, Berkeley.
COST, $600

DWELLING
(195) W PARK BLVD., 100 S Brighton, Oakland. Two-story 8-room dwelling.
Owner—C. J. Sansome, 3924 Park Blvd., Oakland.
Architect—None.
Contractor—Solomon Morris, 1509 Harrison St., Oakland.
COST, $6,000

## BOND.

**San Francisco County.**

Contract Dated Dec. 27, 1919. J. H. Kruse with Herman T Ludwig, Frank H. Mason, L. E. Lee and H Helget, Sureties. Bond, $2000. Filed Jan. 20, 1920.

## LEASE.

**San Francisco County.**

Jan 19, 1920—SE POLK and Washington 60-8x100. Philip Gordon and wife to E. Belli, A. Milani, C. Bartolozzi; 5 years; $19,500.
Jan. 20, 1920—SE SEVENTEENTH AND Potrero Ave E 100xS 98. Elizabeth F Baumgartner, Richard Christopher Baumgartner, John Jay Baumgartner Jr., Jerome Baumgartner, minors, to Union Oil Co of California. 5 years. $80 per month.
Jan 20, 1920—NO. 454 MONTGOMERY. Judah Boas Co to MacDanold & Co. 5 years $6000.
Jan. 21, 1920—NO. 519 PACIFIC N line 107 m or l E Montgomery. O D Baldwin to Toyo Sato. 3 years. $900
Jan 21, 1920—NO. 500-502 GUERRERO SW Cor. 17th. James McCarty to Lincoln Rimmer. 7 years. $4368.
Jan. 22, 1920—SE MONTGOMERY AND Jackson 50x75. G B Levaggi to Giuseppi Bagnani. 5 years. $10,200.
Jan. 22, 1920—BLK BDED BY 15th, 16th, Utah and San Bruno Ave. California School of Mechanical Arts to Western Button Factory. 10 years. $36,300.
Jan. 23, 1920—S GEARY 82-6 E 12th Ave E 25x100. Jacob and Bertha G Weissbein to Geo A Mann & Arthur M Snell (as Mann & Snell). 5 years. $4500.
NOTE:—Recorded contract reported Jan. 14, 1920. No. 105.
COST, $650

## COMPLETION NOTICES

**San Francisco County**

Jan. 16, 1920—LOT 11 Lincoln Manor No. 3535 Clement St., Edw T and Clarie H Maples to S A Born Bldg Co.....Jan. 10, 1920
Jan. 17, 1920—E TWENTY-SECOND Ave 225 N Balboa 50x120. Thomas E Mohler to whom it may concern .....Jan. 17, 1920
Jan. 19, 1920—N TARAVAL 57-6 W 30th Ave W 50xN 100. Parkside Realty Co to Ernest Swanson.....Jan. 16, 1920
Jan. 19, 1920—LOTS 10 TO 12, BLK. 2978 Merritt Terrace. Niels Schultz to whom it may concern. Jan. 19, 1920
Jan. 19, 1920—E TWENTY-EIGHTH Ave. 330 N California N 25xE 120. Harry B. Allen to whom it may concern .....Jan. 17, 1920
Jan. 19, 1920—W GRANT AVE. 60-6 N Washington N 29xE 60. Lee Lin, Lee Fay, Lee Bock Fow, Le Gin and Lee Doo to Thos. F. Mulcahy .....Jan. 14, 1920
Jan. 19, 1920—NO 314 SUTTER. Bare Bros. to I. R. Kissel....Jan. 14, 1920
Jan. 19, 1920—SW GEARY and 12th Ave. W 82-6xS 50. Jacob Weissbein to whom it may concern..... .....Jan. 19, 1920
Jan. 20, 1920—LOTS 9 AND 10 BLK 2983 Claremont Court. O. B. Dreusike to John Binet Co....Jan. 10, 1920
Jan. 20, 1920—SW SECOND 135 NW Silver NW 35xSW 90. Mary J Withington to Martin S Show..... .....Jan. 16, 1920
Jan. 20, 1920—S LAKE 45 W 25th Ave. Chas A Johnson to whom it may concern.....Jan. 19, 1920
Jan. 20, 1920—LOTS 4 AND 5 BLK 20 St. Francis Wood Extension No. 2. St. Francis Home Building Co. to John Morton.....Jan. 15, 1920
Jan. 21, 1920—S FILBERT 101 E Gough E 25xS 137-6. Louis Chiapellone and Ernest Vigo to Fred Warden.....Jan. 20, 1920
Jan. 21, 1920—TWENTY-FIFTH ST. Freight Slip. Western Pacific Railroad to Hyde Harjes & Co..... .....Jan. 12, 1920
Jan. 22, 1920—NO. 314 SUTTER ST. Bare Bros to J Salanave. Jan. 20, 1920
Jan. 22, 1920—N UNION 137-6 W Steiner W 55x137-6. Anna Hladik to whom it may concern..Jan. 22, '20
Jan. 22, 1920—NE CORTLAND AVE 56.08 SE Moultrie SE 28.04 N 69.03 W 28 S 67.39 m or l Lots 280-281, Gift Map No. 1. John and Grace Battaglia to S Costello and Carl Frank.....Jan. 21, 1920
Jan. 23, 1920—LOT 18 BLK 3176, Westwood Park. Linnie Morris to Gordon W Morris.....Jan. 23, 1920

## LIENS FILED.

**San Francisco County.**

Jan. 21, 1920—E CLAYTON 27-6 N Haight N 33xE 100. J Friedman vs Carrie and Emile La Forest.....$150

Rats cost every person in the United States one-half of one cent a day, says the United States Public Health Service. Write to the Surgeon General, Rupert Blue, Washington, D. C., for an instructive bulletin on how to get rid of them.

## BUILDING CONTRACTS

### Alameda County

| | | | |
|---|---|---|---|
| 4135 | Trahan | Vaughn | 3500 |
| 145 | Welker | Anderson | 775 |
| 146 | Bond | Bond | 4000 |
| 148 | Hutchinson | Corbett | 400 |
| 149 | McCracken | Owner | 10000 |
| 150 | Schoning | Clark | 500 |
| 151 | Caswell | Owner | 500 |
| 152 | Christensen | Owner | 3750 |
| 153 | Farren | Owner | 1295 |
| 154 | Hixson | Cuthbertson | 890 |
| 155 | Baleria | Perona | 498 |
| 156 | Macdermott | Monroe | 1000 |
| 157 | Gezo | Sommarstrom | 3000 |
| 158 | Moffatt | Dice | 8670 |
| 159 | Francisco | Owner | 2400 |
| 160 | Smith | Smith | 6000 |
| 161 | Pac Cst Rattan | Sheridan | 1000 |
| 162 | Hughes | Anderson | 450 |
| 163 | Beandry | Rich | 1000 |
| 164 | Hunter | Werner | 2750 |
| 165 | Medes | August | 600 |
| 166 | Woodward | Bryant | 6000 |
| 167 | Three Bros. | Olson | 1626 |
| 168 | Littlefield | Olson | 3500 |
| 169 | Kopf | Kopf | 5500 |
| 170 | Kennedy | Owner | 3200 |
| 171 | Konigshoffer | Lechner | 3000 |
| 172 | Thomas | Frohling | 1750 |
| 173 | Nethken | Nethken | 9000 |
| 174 | Campbell | Rankin | 7750 |
| 175 | Hillen | Hillen | 4000 |
| 176 | Jurgewits | Burks | 4500 |
| 177 | Frese | Muller | 12000 |
| 178 | Bell | Taylor | 4000 |
| 179 | Stratton | Doso | 400 |
| 180 | Carter | Cederborg | 16872 |
| 181 | Wilson | Cal Eldrs | 3785 |
| 182 | MacGregor | Owner | 7000 |
| 183 | Fabing | Owner | 4000 |
| 184 | O'Brien | Goth | 5550 |
| 185 | Pfrang | Owner | 400 |
| 186 | Marcum | Lydiksen | 6500 |
| 187 | Norris | Owner | 7000 |
| 188 | Armstrong | Westlund | 5540 |
| 189 | P G & E Co | Martin | 3757 |
| 191 | Weaver | Lange | 2500 |
| 192 | Petersen | Petersen | 3000 |
| 193 | Klarenmeyer | Owner | 850 |
| 194 | Wahlgreen | Vowinkel | 1305 |
| 195 | Clayburgh | Stockholm | 54000 |

ALTERATIONS
(145) NO. 4212 KANNING, Oakland. Alterations.
Owner—E. Welker, Premises.
Architect—None.
Contractor—A. F. Anderson, 4332 Leach Ave., Oakland.
COST, $775

FRAME DWELLING
(146) ROSE AND GRAND AVES., Piedmont. Two-story frame dwlg.
Owner—Samuel Bond.
Architect—None.
Day's work. COST, $4000

DWELLING
(147) N ARLINGTON AVE. 90 E Gaskill, being Lot 3 Blk 2 Map Golden Gate Tract, Oakland. All work for one-story five-room dwelling.
Owner—Mrs. Carrie Trahan, 1554 Shattuck Ave., Berkeley.
Architect—None.
Contractor—M. C. Vaughn, 5833 Ayala, Oakland.
Filed Jan. 19, '20. Dated Dec 19, '19.
Frame up ..... ¼
Plastered ..... ¼
Completed ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4250
Bond, Sureties, Forfeit, none. Limit, 90 days. No plans or specifications filed.
NOTE: Permit reported Dec. 24, 1919, No. 4135.

ALTERATIONS
(148) NO. 911 WASHINGTON, Oakland. Alterations.
Owner—Hutchinson Grocery Co., Prem.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin, Oakland.
COST, $400

DWELLING
(149) W ASHMONT AVE 300 N Ardmore, Oakland. Two-story nine-room dwelling.
Owner—Dr. W. J. McCracken, 611 Wala Vista, Oakland.
Architect—None.
Day's work. COST, $10,000

ALTERATIONS
(150) NO. 4710 E-FOURTEENTH ST Oakland. Alterations.
Owner—Wm. Schoning, 1647 47th Ave., Oakland.
Architect—None.
Contractor—D. Clark, Harmon Ave., Oakland.
COST, $500

SHED
(151) N FOOTHILL BLVD. 50 E Rutherford, Oakland. Shed.
Owner—M. L. Caswell, 3301 E-14th, Oakland.
Architect—None.
Day's work. COST, $500

DWELLING
(152) W LINWOOD AVE 100 S Hamel, Oakland. One-story 5-room dwelling.
Owner—J. P. Christensen, 3831 Brighton Ave., Oakland.
Architect—None.
Day's work. COST, $3750

DWELLING, ETC.
(153) MOUNTAIN BLVD., Oakland. One-story 3-room dwelling and tank frame.
Owner—V. A. Farren, Oakland.
Architect—None.
Day's work. COST, $1295

ALTERATIONS
(154) NO. 5641 OAK GROVE AVE., Oakland. Alterations.
Owner—Morris C. Hixson, Premises.
Architect—None.
Contractor—Thos. A. Cuthberison, 1766 12th Ave., San Francisco.
COST, $890

REPAIRS
(155) NO. 1268 SIXTY-FIFTH, Berkeley. Repairs.
Owner—Frank Baleria, Premises.
Architect—None.
Contractor—John Perona, 570 7th, Okd.
COST, $498

ALTERATIONS
(156) SW SIXTEENTH AND TELEgraph Ave., Oakland. Alterations.
Owner—George Macdermott.
Architect—None.
Contractor—J. W. Monroe, 690 60th St., Oakland.
COST, $1000

ALTERATIONS
(157) SW THIRTY-FIFTH & GROVE Oakland. Alterations and additions. Alter two-story dwelling into 4 flats.
Owner—Mrs. J. Gezo, 732 Madison St., Oakland.
Architect—None.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Oakland.
COST, $3000

DWELLINGS
(158) LOTS 7, 8 & 9, being N Alcatraz Ave 45 E California, Berkeley. All work for three one-story dwellings.
Owner—James and Valentine Moffatt, Berkeley.
Architect—None.
Contractor—B. A. Dice, Oakland.
Filed Jan. 19, '20. Dated Sept. 25, '19.
In installments as required.
TOTAL COST, $2890 each
Bond, limit, forfeit, plans and specifications, none.

(159) E EIGHTY-EIGHTH AVE 110 S E-14th, Oakland. Two-story 6-room dwelling.
Owner—Antonio Francisco, 8618 A St., Oakland.
Architect—None.
Day's work. COST, $2400

DWELLING
(160) S EXCELSIOR AVE 400 E Alma Ave., Oakland. Two-story 8-room dwelling.
Owner—M. F. Smith, 436 Moss Ave., Oakland.
Architect—None.
Day's work. COST, $6000

ALTERATIONS
(161) N E-FOURTEENTH bet 36th & 37th Aves., Oakland. Alterations.
Owner—Pacific Coast Rattan Co.
Architect—None.
Contractor—Phil Sheridan, 1510 Harmon, Berkeley.
COST, $1000

ALTERATIONS
(162) NO. 420 FIFTEENTH, Oakland. Alterations.
Owner—Hughes & Gallager, Premises.
Architect—None.
Contractor—John Anderson, 1605 Telegraph Ave., Oakland.
COST, $450

ALTERATIONS
(163) W SAN PABLO AVE 200 S Stanford Ave., Oakland. Alterations.
Owner—Miss Beandry, 606 25th, Okd.
Architect—None.
Contractor—James L. Rich, 947 42nd, Oakland.
COST, $1000

DWELLING
(164) NW OREGON AND WALLACE, Berkeley. One-story 5-room dwelling.
Owner—Maggie Hunter, 2710 Wallace, Berkeley.
Architect—None.
Contractor—Chas. A. Werner, 2416 10th Berkeley.
COST, $2750

ADDITION
(165) NO. 1315 SAN PABLO AVE., Berkeley. Addition.
Owner—J. S. Medes, 1314 Kains Ave., Berkeley.
Architect—None.
Contractor—Manuel August.
COST, $600

FACTORY
(166) SW THIRD AND CAMELIA, Berkeley. One-story Class "C" furniture factory.
Owner—Frank J. Woodward, 2302 Piedmont Ave., Berkeley.
Architect—L. A. Bryant.
Contractor—L. A. Bryant, 1528 Wellington, Oakland.
COST, $6000

FACTORY
(167) NO. 1731 FIFTH, Berkeley. One-story factory.
Owner—Three Brothers Syrup Co., Premises.
Architect—None.
Contractor—Alfred Olson, 565 16th, Okd
COST, $1626

ADDITION
(168) NO. 2120 ALAMEDA AVE., Alameda. Addition.
Owner—J. W. Littlefield, Premises.
Architect—None.
Day's work. COST, $3500

DWELLINGS
(169) E BROADWAY 35 and 72-6 S Central Ave., Alameda. Two one-story 5-room dwelling.
Owner—Ben F. Kopf, 1015 82nd Ave., Alameda.
Architect—None.
Day's work. COST, $2750 each

DWELLING
(170) NO. 1024 BUENA VISTA AVE., Alameda. One-story 6-room dwlg.
Owner—J. G. Kennedy, 1519 9th St., Alameda.
Architect—None.
Day's work. COST, $3200

ALTERATIONS
(171) NO. 1517 PARK ST., Alameda. Alterations.
Owner—Leon Konigshoffer.
Architect—None.
Contractor—P. J. Lechner, 2130 Santa Clara Ave., Alameda.
COST, $3000

ADDITION
(172) NO. 1350 REGENT, Alameda. Addition.
Owner—W. E. Thomas, 1519 Everett, Alameda.
Architect—None.
Contractor—C. Frohling, 1115 Walnut, Alameda.
COST, $1750

DWELLINGS
(173) TAYLOR AVE., Alameda. Three one-story 5-room dwellings.
Owner—Howard Nethken, 3651 39th Ave., Oakland.
Architect—None.
Day's work. COST, $3000 each

DWELLING
(174) W CALMAR AVE 178 N Santa Ray Ave., Oakland. Two story 8-room dwelling.
Owner—Mrs. R. H. Campbell, 1011 46th, Oakland.
Architect—None.
Contractor—S. G. Rankin, 712 Haddon Road, Oakland.
COST, $7750

DWELLING
(175) W KINGSLAND AVE 178 N Trask, Oakland. One-story 6-room dwelling.

Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $4000

DWELLING
(176) SE McKINLEY AND MONTclair, Oakland. One-story six-room dwelling.
Owner—W. R. Jurgewits, Oakland.
Architect—None.
Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.
COST, $4500

BRICK GARAGE
(177) S TWENTY-FIFTH 227 W Broadway, Oakland. One-story brick garage.
Owner—J. H. Frese, 25th and Broadway, Oakland.
Architect—None.
Contractor—P. A Muller, Syndicate Bldg., Oakland.
COST, $12,000

DWELLING
(178) N WARFIELD AVE 80 E Weldon, Oakland. One-story 5-room dwelling.
Owner—Arthur I. Bell, 2929 Broadway, Oakland.
Architect—None.
Contractor—G. Taylor, 5560 Taft Ave., Oakland.
COST, $4000

ALTERATIONS
(179) NO. 117 FAIRMONT, Oakland. Alterations and additions.
Owner—Dr. R. J. Stratton.
Architect—None.
Contractor—C. A. Doss, 2028 E-15th, Oakland.
COST, $400

FRAME DWELLING
(180) COR. KINGSTON AVE AND Monte Cresta, 80x145, Oakland. All work for two-story and basement frame dwelling.
Owner—Alice A. Carter, Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—A. Cederborg, 1445 E-37th St., Oakland.
Filed Jan. 21, '20. Dated Jan. 19, '20.
Frame up ..... $2336
Ready for lath ..... 2336
Plastered ..... 2336
Mill work completed ..... 2336
Completed and accepted ..... 3308
TOTAL COST, $16,872
Bond, $8436. Sureties, Oscar L. Zeis and Samuel Cederborg. Limit, 100 days. Forfeit, $1. Plans and specifications filed.

DWELLING
(181) LOT 22 BLK 2, Lakeshore Highlands, Oakland. All work for one-story 4-room dwelling.
Owner—W. F. and Olive Wilson.
Architect—None.
Contractor—California Builders Co., 1434 Franklin St, Oakland.
Filed Jan. 21, '20. Dated ——.
Payments Not Given .....
TOTAL COST, $3785
Bond, limit, forfeit, plans and specifications, none.

FRAME DWELLINGS
(182) SCENIC AVE., Piedmont. Two one and one-half-story frame dwellings.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work. COST, $3500 each

DWELLING
(183) W FOURTEENTH AVE 440 N E-38th, Oakland. One-story 4-room dwelling.
Owner—F. N. Fabing, 556 62nd, Okd.
Architect—None.
Day's work. COST, $4000

DWELLING
(184) W GRAND AVE. opp Weldon Ave., Oakland. Two-story 7-room dwelling.
Owner—H. A. O'Brien, 905 Alice St., Oakland.
Architect—None.
Contractor—P. R. Goth, 516 33rd St., Oakland.
COST, $5550

ALTERATIONS
(185) NO. 464 HUDSON, Oakland Alterations.
Owner—C. J. Pfrang, 180 Forest St., Oakland.
Architect—None.
Day's work. COST, $400

DWELLING
(186) E ROSAL AVE 300 N Lakeshore Oakland. Two-story 6-room dwlg.
Owner—Mrs. E. Marcum, San Jose.
Architect—None.
Contractor—Geo. H. Lydiksen, 1244 29th Ave., Oakland.
COST, $6500

DWELLINGS, ETC.
(187) EL CERRITO AND OAKLAND Aves., Piedmont. Three one and one-half-story frame dwellings and garages.
Owner—Justus Norris, 2828 Richmond, Oakland.
Architect—None.
Day's work. COST, $3500 each

COMPLETE GARAGE, ETC.
(188) SE MAIN AND "A" STS., 50x100 Hayward. All work for completion of two-story garage and apartments
Owner—Sarah M. Armstrong, Hayward
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.
Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.
Filed Jan. 23, '20. Dated Jan. 20, '20.
Brown coated ..... $1846
Completed and accepted ..... 1847
Usual 35 days ..... 1847
TOTAL COST, $5540
Bond, none. Limit, 50 days. Forfeit, $5. Plans and specifications filed.

CONCRETE FOUNDATIONS
(189) E MARKET 290 S First E 127 S 100x W 110 N 105, Oakland. All work for concrete foundations.
Owner—Pacific Gas & Electric Co., 13th and Clay Sts., Oakland.
Architect—None.
Contractor—E. H. Martin.
Filed Jan. 22, '20. Dated Jan. 20, '20.
Completed and accepted ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $3757.30
Bond, $2000. Surety, Lion Bonding & Surety Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

**PERMITS.**

ALTERATIONS
(191) NW CALIFORNIA AND VAN Ness Ave. Erect mezzanine floor and other changes for automobile salesroom.
Owner—Chester N. Weaver Co., 1560 Van Ness Ave., San Francisco.
Architect—Clarence A. Tantau, 251 Kearny, San Francisco.
Contractor—Lange & Bergstrom, 207 Sharon Bldg., San Francisco.
COST, $2500

FRAME DWELLING
(192) E FORTY-FIRST AVE 200 S Balboa. One-story and basement frame dwelling.
Owner—W. C. Petersen, 610 Fillmore, San Francisco.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
(193) NO. 115 MASON. Change store front and move partition.
Owner—S. Klarenmeyer, 215 Palou St., San Francisco.
Architect—F. A. Lorenz.
Contractor—F. A. Lorenz, 473 Jessie St., San Francisco.
COST, $850

**RECORDED.**

LAMP STANDARDS
(194) EXPOSITION AUDITORIUM, Civic Center. All work for casting 90 lamp standards.
Owner—G. A. Wahlgren, Chronicle Bldg., San Francisco.
Architect—Ward & Blohme, 454 California, San Francisco.
Contractor—Henry Vowinkel, 348 Hayes St., San Francisco.
Filed Jan. 24, '20. Dated Jan. 22, '20.
Completed and accepted ..... $978.75
36 days after ..... 326.25
TOTAL COST, $1305.00
Bond, none. Limit, work completed and material assembled ready for erection, Feb. 18th, 8 A. M., and ready for acceptance, Feb. 21, 8 A. M. Forfeit, none Plans and specifications filed.

RESIDENCE
(195) SW LYON AND PACIFIC AVE S 75-2¼xW 137-6. All work for two-story basement and attic frame residence.
Owner—Leo. J. Clayburgh, 25 Sansome, San Francisco.
Architect—Willis Polk & Co., Hobart Bldg., San Francisco.
Contractor—Chas Stockholm & Sons, Monadnock Bldg., San Francisco.
Filed Jan. 24, '20. Dated Jan. 23, '20.
As work progresses ..... 75%
Usual 35 days ..... 25%
TOTAL COST, not to exceed $54,000
Contractor to receive 7%
Bond, $25,000. Sureties, Niels Andersen and A. B. Johnson Jr. Limit, Sept. 15, 1920. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 24, 1920 No. 186.

**NOTICE OF NON-RESPONSIBILITY.**

**Alameda County.**

Jan. 21, 1920—N FOURTEENTH 40 E Grove E 80 N 125 W 40 S 40 W 40 S 85, Okd. H C Morris as to improvements on leased property .....
Jan. 22, 1920—BOUNDED ON S by property line of said owners; W by E boundary line righ-of-way of S. P. Railway; N by S bank of certain creek and on E by W line S. P. Railway, containing 40 acres m or l, Albany. John Gill, E C Gill, Mary Elizabeth Gill and Sarah I Webb as to improvements on leased property .....

**NOTICE OF NON-RESPONSIBILITY.**

**San Joaquin County.**

Jan. 22, 1920—LOT 4 BLK 3, Lomita Park, Stockton. Wm F Brown and Henry B Budd as to improvements on leased property .....

## COMPLETION NOTICES

### Alameda County

Jan. 9, 1920—LOT 5 BLK 1, Fourth Ave Heights, Okd. C M Norgrove and W W Eckley to Wm J Baker.. .....Jan. 8, 1920
Jan. 12, 1920—LOT 21 Pine Terrace, Bkly. Albert M Lester to C Texdahl .....Dec. 31, 1919
Jan. 12, 1920—NE E-EIGHTEENTH and NW 12th Av NW 75xNE 109.70, Okd. Neustradter Bros to G P W Jensen.....Jan. 9, 1920
Jan. 13, 1920—E 10 LOT 9 AND ALL lots 10 and 11, Blk. 141, Kellersberger's Map of Oakland, Oakland. Twelfth Street Realty Co. to whom it may concern...Jan. 12, 1920
Jan. 13, 1920—W 60 LOTS 1 AND 2, Blk. 161, Map Kellersberger's Map of Oakland, Oakland. Twelfth Street Realty Co to whom it may concern .....Jan. 12, 1920
Jan. 13, 1920—LOT 11 AND E 13 LOT 5, Map Schroederg Tract, Oakland. Realty Syndicate Co to whom it may concern .....Jan. 12, 1902
Jan. 13, 1920—SE GRAND AVE AND Elliott Ave E 60xS 120, ——. Ruth M Smith to H H Weider. Jan. 12, 1920
Jan. 14, 1920—S 91 LOT 2, BLK. A, Map Lakewond Park, Oakland, Beatrice Gyle Mazor to Fred N. Strang .....Jan. 12, 1920
Jan. 15, 1920—NE MARIN AVE. and Nelson St., Albany. E. N. Bertheaud to whom it may concern.. .....Jan. 14, 1920
Jan. 20, 1920—LOT 41 BLK 2 Map Berkeley Square, Bkly. H B Eyde to H H Schuessler..... Jan. 17, 1920
Jan. 20, 1920—W PIEDMONT AVE 3-0 from E Broadway 50x——, Okd. Laura E Leach to F A Muller.... .....Jan. 8, 1920
Jan. 21, 1920—E 45 LOT 9 Brougher Ppty. Okd. Grace B Nunes to George W Nunes.....Dec. 1, 1919
Jan. 21, 1920—N FIFTY-NINTH ST. 175 39 W Elsie Ave W 43xN 105, Okd. Grace B Nunes to George W Nunes .....Feb. 1, 1919
Jan. 21, 1920—E COTTAGE bet. Erie and Ohio being Lot 74 Oakland Prospect Homestead, Okd. W J Baker to whom it may concern... .....Jan. 21, 1920
Jan. 22, 1920—SW SUTER 115 NW High SW 98xNW 35, Okd. Waterfront Sash & Door Co to H S Pratt .....Jan. 19, 1920
Jan. 22, 1920—SW SUTER 325 NW High SW 98xNW 35, Okd. Waterfront Sash & Door Co to H S Pratt .....Jan. 19, 1920

**LIENS FILED.**

## Alameda County

Jan. 10, 1920—W STANTON 50 S Ashby Ave, Bkly. W H Pennie vs Milton Schroeder and H Nielsen....$170
Jan. 14, 1920—LOTS 9, 18 AND 19 Map Alta Heights, Piedmont. Anna L Carpenter (wf J K).....$5000
Jan. 16, 1920—LOT 2 BLK "B" Map Westmoreland Park, Bkly. Paul Schnoor, $66; August Bauer, $160 vs Milton Schroeder and Halger Nielson .....
Jan. 17, 1920—N LINCOLN 239½ E Milvia E 50xN 135, Bkly. Bay Wrecking Co vs Daisy and Paul Marchant and E J Squires....$169.78
Jan. 20, 1920—NW C ST. 206.5 NE 4th NW 185 NE 50 SE 178.5 SW 50, Hayward. Joseph Flores.....$3000
Jan. 21, 1920—S CEDAR 98 E 10th E 37xS 100, Bkly. E J Euphrat (as Richmond Mfg Co) vs C J Pfrang and Ashby Plumbing Co.....$66.80
Jan. 21, 1920—E TENTH 65 S Cedar S 35xE 98, Bkly. E J Euphrat (as Richmond Mfg Co) vs C J Pfrang and Ashby Plumbing Co.....$69.17
Jan. 21, 1920—SE TENTH & CEDAR S 30xE 98, Bkly. E J Euphrat (as Richmond Mfg Co) vs Geo E and Honor Shannon and Ashby Plumbing Co .....$100.82
Jan. 21, 1920—E TENTH 30 S Cedar S 35xE 98, Bkly. E J Euphrat (as Richmond Mfg Co) vs C J Pfrang and Ashby Plumbing Co.....$100.82

**BUILDING CONTRACTS.**

### Santa Clara County.

DWELLING
S-FOURTEENTH near Willow St., San Jose. Seven-room dwelling.
Owner—J. Wyman.
Architect—None.
Contractor—F. C. Nelson, 34 S-15th St., San Jose.
COST, $7000

ALTERATIONS
SANTA CLARA AND SAN PEDRO STS., San Jose. Alterations.
Owner—The Lewis Company.
Supt.—W. A. McDaniels, 429 S-29th St., San Jose.
Day's work. COST, $5000

ADDITION
NO. 473 DELMAS ST., San Jose. Addition and alterations.
Owner—Rose Lamorte.
Architect—None.
Contractor—M. Perino, 160 Race St., San Jose.
COST, $1800

BRICK WORK, ETC.
WILLIAM ST., San Jose. All brock work, cement, etc., iron anchors, plates, etc.
Owner—C. L. Meisterheim, 365 S-1st St., San Jose.
Architect—Charles W. Klinkert, San Jose.
Contractor—Florent Gardiser, 240 Bellevne St., San Jose.
Filed Jan. 5, '20. Dated Dec. 30, '19.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $1675
Bond, $835. Sureties, Peterson-Kartschoke Brick Co. and Fred H. Figel. Limit, 50 days. Forfeit, none. Plans and specifications filed.

BUNGALOW
HANCHETT PARK, San Jose. All work for one-story 6-room bungalow.
Owner—Lottie L. Hullett, 1765 Alameda San Jose.
Architect—None.
Contractor—F. B. Wise, 757 Hedding St., San Jose.
Filed Jan. 12, '20. Dated Jan. 9, '20.
Rough frame up.....$1125
2nd coat plaster on..... 1125
Building completed ..... 1125
Usual 35 days..... 1125
TOTAL COST, $4500
Bond, $1200. Sureties, Phebe M. Wise and Abby P. Roberts. Limit, 100 days. Forfeit, $1. Plans and specifications filed.

FRAME BUILDING
ALMADEN ROAD, Near San Jose. All work except concrete for one-story frame building.
Owner—Thos. Kelty, San Jose.
Architect—None.
Contractor—E. Nommensen, 134 S-8th St., San Jose.
Filed Jan. 6, '20. Dated Dec. 12, '19.
Frame up .....$1757
1st coat plaster on..... 1757
Building Completed ..... 1757
Usual 35 days..... 1757
TOTAL COST, $7030
Bond, $3515. Sureties, A. L. Hubbard and John Lindgren. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE
ON WINCHESTER ROAD Near San Jose. All work for one and one-half-story frame residence.
Owner—E. B. Thrift.
Architect—Wolfe & Higgins, 93 Auzerais Bldg., San Jose.
Contractor—E. Nommensen, 134 S-8th St., San Jose.
Filed Jan. 7, '20. Dated Jan. 5, '20.
Frame up .....$1972.38
Plastering on ..... 1972.38
Completed and accepted..... 1972.37
Usual 35 days..... 1972.37
TOTAL COST, $7889.50
Bond, $3944.75. Sureties, A. L. Hubbard and John Lindgren. Limit, 100 days. Forfeit, $2 per day. Plans and specifications filed.

FRANKLIN ST., Santa Clara. All work for one-story reinforced concrete building (warehouse).
Owner—Charles Parker, San Jose.
Architect—Wolfe & Higgins, 93 Auzerais Bldg., San Jose.
Contractor—R. O. Summers, 17 N-1st St., San Jose.
Filed Jan. 9, '20. Dated Jan. 8, '20.
On 1st and 16th of each month. 75%
Usual 35 days..... 25%
TOTAL COST, $9726
Bond, $4863. Sureties, James H. Pierce and Oscar Promis. Limit, 100 days. Forfeit, $4 per day. Plans and specifications filed.

SECOND AND FOUNTAIN STS., San Jose. Alter first floor.
Agent—Jas. H. Rucker, Santa Clara St., Cor. Second, San Jose.
Architect—Wolfe & Higgins, 93 Auzerais Bldg., San Jose.
Contractor—J. C. Thorp, Auzerala Bldg., San Jose.
COST, $3240

COTTAGE
NO. 681 WILLIS AVE., San Jose. Cottage.
Owner—F. Lazzarini, 681 Willis St., San Jose.
Architect—None.
Day's work. COST, $1300

ALTERATIONS
NO. 160 S-FIRST ST., San Jose. Alter front and interior.
Owner—A. R. Klein, 112 N-18th St., San Jose.
Architect—Krause.
Day's work. COST, $1500

RESIDENCE
PLAZA DRIVE, Palm Haven, San Jose. Two-story residence.
Owner—L. W. Bush, 132 Coe St., San Jose.
Architect—Wallace & Bush.
Contractor—Wallace & Bush, 409 Bank of San Jose Bldg., San Jose.
COST, $6000

COTTAGE
NO. 206 S-NINTH ST., San Jose. Cottage.
Owner—H. E. Zimmerman.
Architect—Wallace & Bush.
Contractor—Wallace & Bush, 409 Bank of San Jose Bldg., San Jose.
COST, $3500

**BUILDING CONTRACTS.**

### Fresno County.

ALTERATIONS
NO. 2024 MARIPOSA ST., Fresno. Alter front.
Lessee—J. C. Penney Co.
Architect—None.
Contractor—W. H. Minard, 319 Abby St., Fresno.
COST, $3000

ADDITIONS
LOTS 15 TO 21 BLK 4, Woodward Addition, Fresno. Addition to ice plant
Owner—Peoples Ice Co., 2040 Anna St., Fresno.
Architect—None.
Day's work. COST, $24,790

DWELLING AND GARAGE
LOTS 27 AND 28, Ingersoll Tract, Fresno. Frame dwelling and garage.
Owner—C. H. Bartholomew.
Architect—None.
Contractor—Reese & Atkins, 3643 Platt St., Fresno.
COST, $5400

DWELLING
NO. 808 CLINTON ST., Fresno. Dwelling and garage.
Owner—A. Stone.
Architect—None.
Contractor—F. J. Stone, 304 Mason Bldg., Fresno.
COST, $5000

ALTERATIONS
NO. 1027 "J" ST., Fresno. Alterations.
Lessee—Harry Coffee, Premises.
Architect—None.
Contractor—E. Riggins, 317 Mason Bldg., Fresno.
COST, $3000

ALTERATIONS
NO. 1141 "J" St., Fresno. Alterations
Owner—Bjou Theatre.
Architect—None.
Contractor—F. J. Stone, 304 Mason Bldg., Fresno.
COST, $8000

ALTERATIONS
NO. 2001 MARIPOSA ST., Fresno. Alter front.
Owner—Bowman Drug Co., Premises.
Architect—None.
Contractor—E. Riggins, 317 Mason Bldg., Fresno.
COST, $8000

SIGN WRITING BLDG.
LOTS 1 TO 4 BLK 4, Woodward Addition, Fresno. Sign writing building.
Owner—W. G. Fahy Co., 1319 "L" St., Fresno.
Architect—None.
Contractor—E. Riggins, 317 Mason Bldg., Fresno.
COST, $10,000

ALTERATIONS
"J" AND FRESNO STS., Fresno. Alterations.
Owner—Helm Co., 714 Griffith-McKenzie Bldg., Fresno.
Architect—None.
Contractor—E. J. Farr, 245 Forthcamp St., Fresno.
COST, $32,000

DWELLINGS
LOTS 1, 2, AND 3, Park Place, Fresno. Two dwellings.
Owner—A. F. Lambert, 1341 Echo St., Fresno.
Architect—None.
Contractor—J. R. Church, 221 North "U" St., Fresno.
COST, $2900 each

DWELLING
LOTS 31 AND 32 BLK 1, Hills Addition, Fresno. Dwelling.
Owner—C. E. Millhollen, 363 Thesta St., Fresno.
Architect—None.
Day's work. COST, $3000

DWELLING
LOTS 5 AND 6 BLK 53, East Fresno. Dwelling and garage.
Owner—Maude Huseman.
Architect—None.
Contractor—H. H. Putman.
COST, $4000

DWELLING
NO. 3645 IOWA AVE., Fresno. Dwelling and garage.
Owner—L. E. Keaton, 1437 "J" St., Fresno
Architect—None.
Contractor—W. H. Minard, 319 Abby St. Fresno.
COST, $3900

DWELLINGS
LOTS 25 TO 36 BLK 2, La Sierra Tct., Fresno. Six dwellings and garages.
Owner—C. C. L. & I Co.
Architect—None.
Contractor—R. Blackwell, 202 Trust Co., Bldg., Fresno.
COST, $5,000 each

DWELLINGS
LOTS 21 TO 38 BLK 5, North Terrace, Fresno. 11 frame dwellings and 11 garages.
Owner—Stivers & Brashear, 1209 "I" St., Fresno.
Architect—None.
Day's work. COST, $5000 each

FRAME DWELLING
EAST ELMHURST LOT 22, Fresno. Frame dwelling.
Owner—M. C. R. Nelson, 1247 "I" St., Fresno.
Architect—None.
Day's work. COST, $3500

FRAME DWELLING
LOTS 5 AND 6 BLK 33, Hedges Addition, Fresno. Frame dwelling.
Owner—S. S. Holden.
Architect—None.
Day's work. COST, $2000

FRAME DWELLING
LOTS 2 AND 3 BLK 2, Bloomington Addition, Fresno. Frame dwelling and garage.
Owner—D. Yezdan, 2025 Mariposa St., Fresno.
Architect—None.
Contractor—Dan Blosser, 3212 El Monte St., Fresno.
COST, $15,500

FRAME DWELLING
LOTS 86 AND 87, Earlhurst, Fresno. Frame dwelling and garage.
Owner—V. E. Laisne, 1439 Ferger St., Fresno.
Architect—None.
Contractor—H. A. Kemp.
COST, $3500

FRAME DWELLING
LOT 38 BLK 35, Belmont Addition, Fresno. Frame dwelling and garage
Owner—Mrs. C. E. Wood.
Architect—None.
Contractor—Fisher & McNulty.
COST, $3500

STORE
LOTS 20 AND 21 BLK —, Woodward Addition, Fresno. Store.
Owner—L. Sarkissian, 1933 Cherry St., Fresno.
Architect—None.
Day's work. COST, $2500

FRAME DWELLING, ETC.
LOT 20 BLK 10, North Park Terrace, Fresno. Frame dwelling and garage
Owner—Frank Blayney.
Architect—None.
Contractor, J. C. Clark, 153 Clark St., Fresno.
COST, $5500

FRAME DWELLING
LOT 10 BLK 8, Cedar Park, Fresno. Frame dwelling.
Owner—Gertrude E. Smith, 3403 Lyell St., Fresno.
Architect—None.
Day's work. COST, $2500

FRAME DWELLING
E 50 FT. OF W 100 FT. LOT 2 BLK 3, Fresno. Frame dwelling and garage
Owner—C. W. Opie.
Architect—None.
Day's work. COST, $3500

FRAME DWELLINGS
LOTS 7 AND 8 BLK 2 Olivette Park and Lots 7, and 8 Blk 4, Belridge Park, Fresno. Two frame dwellings.
Owner—Guy Stockton, 1301 "H" St., Fresno.
Architect—None.
Contractor—J. C. Pursel.
COST, $3150 each

FRAME DWELLING
LOT 2 BLK 4 Cedar Park, Fresno. Frame dwelling.
Owner—W. R. Groshell, 2914 Kern St., Fresno.
Architect—None.
Contractor—C. C. Russell, 3417 Lowe St., Fresno.
COST, $3500

FRAME DWELLING
LOT 3 BLK 12, Park Addition, Fresno. Frame dwelling.
Owner—Nita A. Blayney, 920 "O" St., Fresno.
Architect—None. COST, $3500

BUNGALOW AND GARAGE
LOTS 1 AND 2 BLK 4, F. H. B. Palm Villa Tract, Fresno All work for frame bungalow and garage.
Owner—Fresno Home Builders, 1231 "I" St., Fresno.
Architect—None.
Contractor—F. J. Stone, 304 Mason Bldg., Fresno.
Filed Jan. 19, '20. Dated Oct. 18, '19.
Roof on ..... ¼
Plastering completed ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $5390
Bond, none. Sureties, G. A. Adams and J. A. Venard. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
NO. 1839 TULARE ST., Fresno. Alter front.
Owner—A V. Lisenby, 1156 South St., Fresno.
Architect—None.
Contractor—A. Allen, 259 Blackstone St., Fresno.
COST, $1000

## COMPLETION NOTICES.

### Fresno County.

Recorded Accepted
Jan. 19, 1920—LOT 4 W 16⅔ FT. Lot 5 Blk 16, Arlington Heights Tct., Fresno. D M Benton to whom it may concern.....Jan. 16, 1920

## BUILDING CONTRACTS.

### Sacramento County.

TAMALE PARLOR
NO. 4411 FOURTH AVE., Sacramento. Erect tamale parlor.
Owner—G. B. Argente, 2900 Stockton Blvd., Sacramento.
Architect—None.
Day's work. COST, $1000

SHEDS
STOCKTON BLVD. on Libby, McNeill & Libby Tct, Sacramento. Assembly sheds.
Owner—Libby McNeill & Libby, Stockton Blvd. near 34th St., Sacramento
Architect—None.
Day's work. COST, $10,000

FRAME RESIDENCE
A. MARTY, 2½ Acres, Sacramento. Five-room frame residence.
Owner—A. Marty, Riverside Blvd., Sacramento.
Architect—None.
Contractor—W. P. Cippa, 314 21st St., Sacramento. COST, $4900

RESIDENCE & GARAGE
NO. 1401 FORTIETH ST., Sacramento. Eight-room residence and garage.
Owner—M. E. La Rue, 1606 "H" St., Sacramento.
Architect—None.
Contractor—J. L. Siller, 1400 "P" St., Sacramento.
COST, $9285

BRICK BUILDING
S 120 FEET LOT 5 and S 120 feet of E ½ Lot 6, Q. R. 9th and 10th Sts., Sacramento. One-story brick building.
Owner—George Swanston, 306 Nicolaus Bldg., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento.
Filed Jan. 14, '20. Dated Jan. 14, '20.
COST, $39,700

DWELLINGS
NOS. 332 AND 340 THIRTY-SECOND St., Sacramento. Two one-story 4-room frame dwellings.
Owner—E. Perini, 2628 "G" St., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura St., Sacramento.
COST, $3800 each

RESIDENCE
NO. 417 THIRTY-FIRST ST., Sacramento. One-story 5-room frame residence.
Owner—T. J. Hayes, 1005 8th St., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura St., Sacramento.
COST, $4000

DWELLINGS
NOS. 2019-21-27-29-31 FOURTH ST.; 409-11-15-17-19-21 "U" St., Sacramento. Twelve 1-story 4-room frame dwellings.
Owner—Wood-Curtis Co., 117 "J" St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento.
COST, $3355 each

RESIDENCE
NO. 309 "T" ST., Sacramento. One-story 5-room frame residence.
Owner—B. Francisconi, 1929 3rd St., Sacramento.
Architect—None.
Contractor—C. Vanina, 2022 Sacramento St., Sacramento.
COST, $2500

ROOFING
LOCATION NOT GIVEN, Sacramento. Apply to railroad roundhouses approximately 300 squares of 3-ply J. M Flexstone asbestos roofing.
Owner—S. P. R. R. and S. P. Co. of Ky., 801 "K" St., Sacramento.
Architect—None.
Contractor—H. W. Johns-Manville Co., 1015 10th St., Sacramento and San Francisco.
Filed Jan. 14, '20. Dated Dec. 22, '19.
COST, $9.20 per ft.

FRAME DWELLING
NO. 2424 "V" ST., Sacramento. One-story 5-room frame dwelling.
Owner—Trainor & Desmond, 813 "J" St., Sacramento.
Architect—None.
Day's work. COST, $3650

FRAME DWELLING
NO. 2209 TWENTY-FIFTH ST., Sacramento. One-story 4-room frame dwelling.
Owner—Trainor & Desmond, 813 "J" St., Sacramento.
Architect—None.
Day's work. COST, $3300

BUILDING
N ½ OF S ½ LOT 4 I, J, 11th and 12th Sts., Sacramento. Two-story bldg.
Owner—Barbara L. Wittpen.
Architect—None.
Contractor—Jas. A. McCullough, 1015 23rd St., Sacramento.
Filed Jan. 22, 20. Dated Jan. 20, '20.
COST, $10,900

RESIDENCE
SE FORTIETH AND "J" STS., Sacramento. Residence and garage.
Owner—Herman Davis, 1014 "K" St., Sacramento.
Architect—None.
Contractor—Simmonds & Birdsall, 1013 10th St., Sacramento.
Filed Jan. 22, '20. Dated Jan. 22, '20.
COST, $11,521

RESIDENCE
NO. 1032 FIFTY-FIRST ST., Sacramento. One-story 3-room frame residence.
Owner—E. Kenney.
Architect—None.
Day's work. COST, $1000

REPAIRS
NO. 913 SEVENTH ST., Sacramento. Repair interior of office.
Owner—Sacramento Bee, 911 7th St., Sacramento.
Architect—None.
Contractor—G. D. Hudnutt, 211 California Fruit Bldg., Sacramento.
COST, $10,000

RESIDENCE
NO. 600 TWENTY-SIXTH ST., Sacramento. One-story 5-room frame residence.
Owner—California Savings Bank & Trust Co., Sacramento.
Architect—None.
Contractor—G. D. Hudnutt, 211 California Fruit Bldg., Sacramento.
COST, $3000

ADDITION
NO. 2829 d"M" ST., Sacramento. Ad to garage.
Owner—A. P. Scheld, 1225 28th St., Sacramento.
Architect—None.
Contractor—W. L. Chatterton, 2111 28th St., Sacramento.
COST, $6600

RESIDENCE
NO. 2414 "D" ST., Sacramento. One-story 5-room residence.
Owner—K. W. Oehler, 1415-A 18th St., Sacramento.
Architect—None.
Contractor—Frances Bros.
COST, $3000

RESIDENCE
NO. 420 TWENTY-EIGHTH ST., Sacramento. One-story 5-room residence and garage.
Owner—E. Carrigan, 1810 15th St., Sacramento.
Architect—None.
Day's work. COST, $3800

ALTERATIONS
NO. 1117 EIGHTH ST., Sacramento. Remodel interior of store.
Owner—American Cash Store, 1121-27 8th St., Sacramento.
Architect—None.
Day's work. COST, $2000

COMPLETION NOTICES.

Sacramento County.

Recorded Accepted
Jan. 19, 1920—N ½ of E ¼ Lot 4 N ½ of W ½ of E ¼ Lot 4 N ½ of E ½ of W ½ Lot 4 J, K, 7th and 8th Sts, Sacramento, Peoples Savings Bank to Otis Elevator Co.....Jan. 17, 1920
Jan. 19, 1920—LOT 1 K, L, 15th and 16th Sts., Sacramento, J S Gattman to D S Wasserman.....Jan. 16, 1920
Jan. 19, 1920—N ½ of E ¼ of N ½ of W ½ of E ½ N ½ of E ½ of W ½ Lot 4, J, K, 7th and 8th Sts., Sacramento, Peoples Savings Bank to whom it may concern..Jan. 14, 1920

BUILDING CONTRACTS.

San Joaquin County.

MFG. BLDG.
S-CALIFORNIA ST., bet. Hazelton and Scotts avenues. Erect mfg. bldg.
Owner—Sterling Iron Works, 646 S-California St., Stockton.
Architect—None.
Day's work. COST, $4000

DWELLING AND GARAGE
S-HUNTER ST., bet. Worth and Anderson Sts., Stockton. Frame dwelling and garage.
Owner—Geo. Chillion, 328 E-Weber St., Stockton.
Architect—None.
Day's work. COST, $5336

RESIDENCE
COR. PILGRIM AND JEFFERSON STS. Stockton. Frame residence.
Owner—Frank A. Groom, Sharp's Lane near South St., Stockton.
Architect—None.
Day's work. COST, $2500

COMPLETION NOTICES.

San Joaquin County.

Jan. 17, 1920—LOT 1 BLK 29 E of Center St., Stockton. Edward L Gnekow, $368.66; F W Krinz, $843.70 vs Joseph Biasgno, Lee Yum Clarence W Beck, W C Ramsey and T E Emerson.....

VENTILATING EQUIPMENT CONTRACT AWARDED.

OAKLAND, Cal.—The County Supervisors, Geo. E. Gross, County Clerk, has awarded a contract to Murray & Co. for ventilating equipment for Dept. Superior Court.

MARKET FOR RAILWAY MATERIAL.

[Consul Samuel T. Lee, Porto Alegre, Brazil, Nov. 17, 1919.]

Inquiry on the part of this consulate has disclosed the following opportunity for the sale of American railway material. The State-owned railroad, known locally as "A Estrada de Ferro de Carlos Barbosa a Alfredo Chaves," and now in construction, will need the following material, which will be purchased and paid for by the Government of the State of Rio Grande do Sul, Brazil, which has ample funds for the purpose. The chief engineer [whose address can be obtained from the Bureau of Foreign and Domestic Commerce or its district of co-operative offices by referring to file No. 429], who is in full charge of construction and whose selection of material will be followed, is a graduate of an American engineering school and understands English.

Catalogues, prices, and correspondence should be addressed to him directly. The list of material needed, as furnished by the chief engineer, is as follows:

**Railway Construction Machinery, Locomotives, etc.**

Excavating machinery (steam or electric shovels). Rock drills (compressed air or electric). Picks, shovels, bars, etc. Rails and dump cars for removing earth and rock. Cableways and buckets for removing earth and rock. Explosives; cement. Steel rails weighing 28 to 40 kilos per meter, with all accessories. Bridge-steel girders for spans from 20 to 200 meters. Locomotives, passenger and freight, gauge 1 meter, minimum radius on curves 150 meters, heaviest climb 18 millimeters per meter, and track of rails weighing 30 kilos per meter. Freight cars, boxes and flats. Trucks, complete for one meter gauge. Passenger coaches, one-meter gauge. Railway automobiles, one-meter gauge, for line service. Tools for track laying and maintenance of way. Rail saws and drills. Turntables, switches. Telegraphic and telephonic equipment, including line material.

Machinery for electric power, no belt transmission: Machine tools for railroad shops, lathes, drills, planers, machine hammers, etc., for cutting and drilling iron and steel.

Compressed-air installation for painting and riveting.

Grindstones, ventilators.

Woodworking machinery.

Furnaces for melting iron and other materials.

Cranes and winches for handling heavy pieces in the shops.

Hand tools for stone masons, blacksmiths, carpenters, and electricians.

Clocks, time keeping, and night-watchmen's.

Pumps, compression and centrifugal (for electric or steam power).

Steam engines (stationary).

Gas engines (gasoline and kerosine).

Electric motors, dynamos and accumulators.

Surveying instruments, transits, levels, etc.

Drafting materials, drawing instruments, paper, inks, tablets, etc.

Blue-printing equipment, complete.

Stone-crushing machinery.

Railroad scales (car and locomotive).

And all material for the construction, maintenance and operation of a railroad.

Full information regarding sizes, weights, and approximate f. o. b. New York costs should be given whenever possible. Complete description in the way of illustrated catalogues and blue prints will be appreciated.

This is the beginning of railroad construction on the part of the State Government, and several other lines are in prospect. The administration is favorable toward American material but lacks information regarding it. Fortunately, the chief engineer understands English, and descriptive matter on hand will serve.

ENGINEER APPOINTED FOR STATE WORK.

SACRAMENTO, Cal.—W. G. McMillan, State Purchasing Agent, has named G. L. Baxter, of Sacramento, to succeed E. D. Griffith as Testing Engineer of the department. The appointment was made from a list of three eligibles certified by the State Civil Service Commission.

TO BUILD SCHOOL FENCE.

SAN FRANCISCO—The Board of Supervisors will shortly authorize the Board of Public Works to commence the preparation of plans for the construction of a fence around lands of the Lick School in Noe street and ordering the receipt of bids for the work.

CITY MANAGER WANTED.

Notice is hereby given that the Clerk of the City of Santa Barbara, Calif., will receive applications for the position of Manager of said City up to 5 o'clock P. M. of the 1st day of March, 1920. S. B. TAGGART, City Clerk.

BRIDGE WORK PLANNED.

RED BLUFF, Tehama Co., Cal.—County Surveyor W. F. Lunning has been instructed by the County Supervisors, H. G. Kuhn, County Clerk, to take up with the State Highway Commission the construction of the proposed bridge at Squaw Hill.

Telephone Douglas 5114

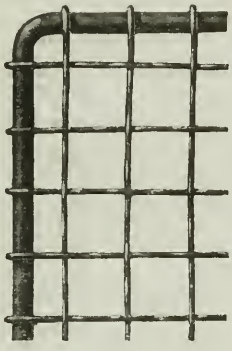
Valley Tie & Lumber Co.

Manufacturers and Wholesalers

Pacific Coast Lumber Products

General Office: Eugene, Oregon S.F. Office: 401 Balboa Bldg.

F. S. NOLAND, Resident Manager



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Overhead guards for Elevator Shafts.
Elevator Enclosures.
Freight Elevator Cars and Doors.
Skylight Covers, Vents.
Protection guards for Sidewalk Doors.
Machinery safety guards.
Auto truck Enclosures and Doors.
Locker Doors, Stall Guards.
Partition Screens for Offices, Garages, Warehouses, etc.
Wire signs for Buildings, etc., etc.

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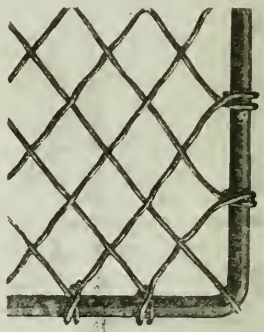

# Michel & Pfeffer

## IRON WORKS

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Manufacturers
FRENCH RANGES and BROILERS
Complete Kitchen and Bakery Outfits
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## Reinhart Lumber and Plaining Mill Company

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PHONE MARKET 1057
**General Lumber Yard**
Dry Kiln Capacity 10 Million Feet per Annum
General Mill and Cabinet Work, Stock Doors, Sash Frames and Mouldings

# HARDWOOD HEADQUARTERS

ASH-BASSWOOD-BIRCH
AROMATIC-RED CEDAR
COTTONWOOD-ELM-HOLLY
SOUTHERN RED-GUM
HICKORY-LAUREL-MAPLE
OREGON MAPLE-PLAIN OAK
QUARTERED OAK
WYBROCK BENDING OAK
POPLAR--WALNUT

BOXWOOD-EBONY-IRONBARK
JENISERO-NOA-SPANISH CEDAR
LIGNUMVITAE-MAHOGANY
ROSEWOOD-TEAK-RED BEAM
SPOTTED GUM-CIRCASSIAN WALNUT
LUMBER--TIMBER
HARDWOOD FLOORING
WYBRO VENEERED PANELS
DOWELS-TREENAILS-VENEERS

# WHITE BROTHERS

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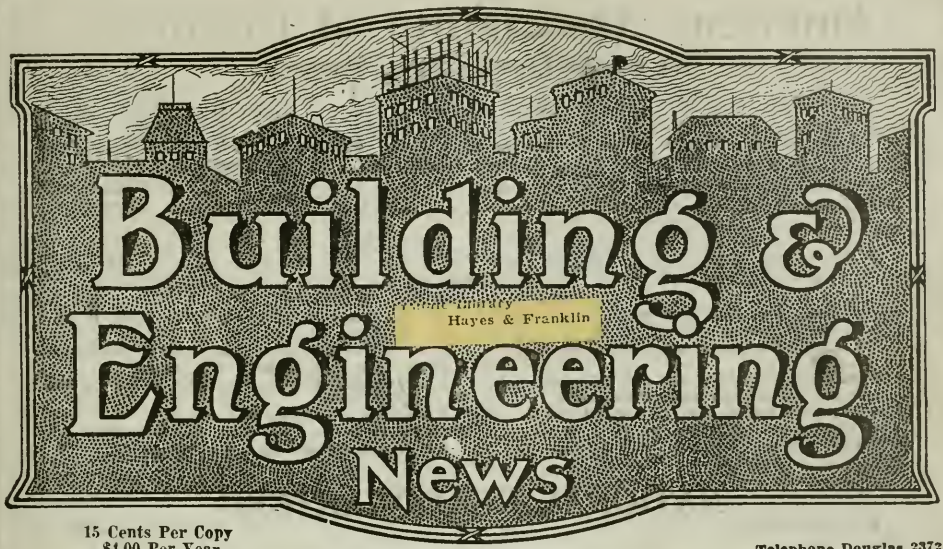


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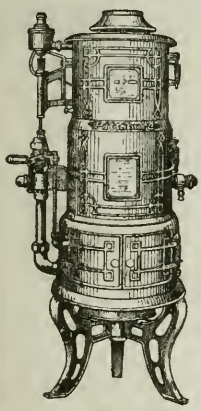

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**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

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J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEADQUARTERS.

The Louisville Club of the American Association of Engineers has elected H. T. Best, president, and H. B. Cassin, secretary. The Louisville Club was responsible for the recent introduction of an engineers' license bill into the Kentucky legislature.

The Rapid Transit Engineers' Section of the New York Chapter of the American Association of Engineers, which was organized in December, now has about 200 members. The members of the section received an increase of $300 a year when the Board of Estimate of New York approved the Transit Construction Commissioner's budget on December 31. This increase was largely as a result of the efforts of Mr. L. B. Smith, assistant district secretary of the American Association of engineers in New York.

At the first annual convention of the Southwestern District of the American Association of Engineers in Globe-Miami, Arizona, the old officers of the district, who were formerly officers of the Southwestern Society of Engineers, were re-elected. It was voted that the name be changed from the Southwestern Society of Engineers, Southwestern District of the American Association of Engineers, to the American Association of Engineers, Southwest District. Dean S. N. Butler, of the College of Engineering of the University of Arizona, is president.

Major Frank T. Payne has been elected president of the Louisiana Chapter of the American Association of Engineers. Major Payne is superintendent of the state department of conservation.

At the first annual convention of the Society of Engineers, now the Idaho Chapter of the American Association of Engineers, held in Pocatello on January 12, the following were elected as officers of the new organization, which is officially known as the Idaho Society of Engineers' Chapter of the American Association of Engineers: President, E. B. Darlington, Jerome, Idaho; vice-presidents, C. N. Little, dean of the engineering department, State University of Idaho, and E. E. Moberly of Pocatello. The secretary-treasurer is A. E. Ayres of Boise.

A constitution and by-laws were adopted.

The Detroit Chapter has elected the following officers: P. W. Keating, president; J. S. Lillie, first vice-president; P. C. Handyside, second vice-president; E. L. Brandt, secretary, and J. Southern, treasurer.

Wm. J. H. Strong, president of the Chicago Chapter of the American Association of Engineers, delivered an address at the annual dinner of the Indiana Engineering Society on Friday evening, January 25, in Indianapolis. The subject of his talk was "Advertising for the Engineer."

### A. A. E. Organizes Ohio State Assembly.

Representatives of all chapters of the American Association of Engineers in Ohio met in Columbus on January 21 and formed the Ohio Assembly of A. A. E. The objects of the state organization were defined "to initiate, co-ordinate and promote the interests and achievements of A. A. E. in the State of Ohio."

It was tentatively decided that representation in the state assembly would be on the basis of one representative from each chapter having from 20 to 100 members, two from chapters having 101 to 500 members, and three from those with from 501 to 1000 members, and that voting power would be on the basis of units of 100 members represented. Thus the representative from a chapter having not over 100 members would have one vote, while the three representatives from a chapter having between 400 and 500 members would have five votes.

A committee was appointed to draft a constitution to submit to the chapters for discussion.

Plans were discussed and agreement reached that a state secretary should be employed in the near future and state headquarters opened in Columbus. Another development of the future is to bring together all members of the state in an annual get-together meeting, partly for social purposes and partly to discuss matters of common interest. Members and applicants of A. A. E in Ohio now number about 1500. Chapters are being formed at Canton, Youngstown, Newark and Marion. The existing chapters are Akron, Cleveland, Dayton, Cincinnati, Toledo, Ohio Valley, Steubenville, Ohio Northern, and Columbus.

## HIGHWAY MAINTENANCE.

### VIII.

By G. M. N.

Errare humanum est, but it is pretty rotten to keep it up in the face of chances to correct your errors and mend your ways—and highways. The tabulation given in last week's issue shows that out of 3,286 miles of highway already constructed or definitely specified as to type, about 50 per cent is unsurfaced concrete, a type of road which has not proven the howling success predicted for it by its loud-mouthed sponsors, it has in fact been a complete failure in rather too many localities. The stretch of concrete road—Four-inch slab—from Willows south, for many miles, is in such a condition that it resembles a gravel road full of chuckholes and is far worse to travel over than such a gravel road would be. The tabulation further shows the deporable fact that most of the bond issues for these concrete roads run from 20 to 40 years which, when viewed together with the other deplorable fact that these same concrete roads require partial and in some cases complete reconstruction inside of ten years, must cause cold shivers to chase up and down the spines of most taxpayers who think of what is in store for them when in twenty years all these roads have been reconstructed a time or two and they face a new bond issue for further reconstruction and still have from 15 to 20 years to pay on the old bonds.

Most cities and towns have realized the mistaken policy of the long-term bond for improvements of the kind that wear out rapidly, and are now building all their streets under one or the other of the local improvement acts carrying ten-year bonds with which to pay for same, and even under this system, it has quickly been learned that the people will not tolerate an improvement which will not outlast the bonds by a safe margin of several years. This is as it should be, and will, of necessity, be the policy pursued by the State and the counties in the future, no other will be able to stimulate improvements and the people's interest therein. The people are beginning to realize that we must have roads that serve a utilitarian purpose and that we cannot confine our road construction to the main routes from city to city up and down the State. We must have all the small routes improved in such a manner that they can be used by the local commu-

nity in its every-day business whether this be farming, with its incidental hauling of farming machinery over the highways or the hauling of heavy grain loads from the fields to the warehouses. The farmer is getting rather peeved in many localities where rules and regulations foreign to his idea of the freedom of the highways are being imposed and partially, at least enforced.

**When** the "Good Roads" issue was first brought up, the farmer was ridiculed, cajoled, coerced and otherwise brought into line to vote **for** the "Good Roads." **Now** he is **ruled** and **regulated** off the improved highways with all his equipment except his pleasure car and shoved over to those same roads that he was ridiculed for before and **why, beenuse** the highways that he was induced to help build won't stand the gaff of the equipment with which he makes his living that enables him to pay his share. What is the answer? "Better Roads." Let us have "Better Roads," and if our present Highway Administration **will not** give us "Better Roads" let us get an administration that will. Let us have an administration that will build a heavy road where it is needed, a wide road where it is needed, and in all cases use materials and methods of construction that have proven that they possess the qualities and the life now required of a modern highway.

## PLAN MANY BUILDINGS FOR HAWAIIAN ISLANDS.

OAKLAND, Cal.—The following is a list of work now being done in the Hawaiian Islands. C. W. Dickey and Hart Wood, Architects.

Mr. Dickey is temporarily located with Mr. Cannon at 415 Central Bank Bldg., Oakland, pending the opening of his permanent offices to handle the $5,000,000 Oakland school program for which he has been selected supervising architect.

Factory building for Hawaiian Fertilizer Co. (reinforced concrete, steel windows, corrugated structural glass skylights, rolling steel shutters, Hyrib walls and roof). Cost about $150,000.

Factory building and laborers camp for Pauwela Pineapple Cannery (reinforced concrete, steel windows, Hyrib walls and roof). Cost about $175,000.

Maui High School (reinforced concrete and hollow tile walls, wood joists and studs). Cost about $60,000.

Garage and auto sales rooms for the Pond Company (reinforced concrete, steel windows, Hyrib walls and roof) Cost about $60,000.

Five residences. Owners' names cannot be given at present. Aggregate cost, $275,000.

Castle and Cooke Building (reinforced concrete and steel terra cotta facing, steel windows, steel interior trim, marble floor and wainscot). Cost about $400,000.

Planters Immigration Station (remodelling job) Cost, $25,000.

Hawaiian Contracting Co. (remodelling job). Cost, $15,000.

Wailuku Theatre (remodeling job). Cost, $12,000.

Grand stand. (wood construction). Cost, $12,000.

Surgical Building, Kula Sanitarium. (wood construction). Cost, $10,000.

## THE BUILDING SITUATION IN THE OPINION OF A REAL ESTATE AGENT.

A. S. Baldwin, of Baldwin & Howell, commenting on the local building situation, says:

"I see little hope for a relief of the shortage of building materials. The enormous demand, coupled with the labor troubles in every line, has crippled the output of lumber, hardware, cement and other construction materials until the builders have great difficulty in securing adequate materials. I know one local builder who could find no nails in San Francisco at any price and had to send a man to a small interior town to buy a few kegs before he could continue his work.

As for prices, that is a big problem, but let us look at conditions. The war stopped construction until we are now away behind our normal program People continue to marry, and the population continues to increase. The Own-Your-Own-Home movement has attracted the attention of thousands who had formerly been content to live in rented houses or apartments. Thus, the demand for homes is very great, even at the high prices of everything that enters into a house. But it is possible today for a man to buy a home with a small payment down and monthly payments of approximately what he would pay for rent on an apartment. So that even at the high prices of homes a man who buys his house is out nothing; if he continued to pay rent the end of five years would find him with nothing but a handful of rent receipts. But if he pays that amount into a house of his own every month, the end of the five-year period will find him owning a piece of property. What if he has paid an enormous inflated price for it? Even then it beats having paid rent during those years.

But if people postpone building in the hope of falling prices they only defeat the purpose of their action. Population will continue to increase and five years from now we should have a greater shortage than we have now. The only solution of the house shortage is to build now, even if prices are high.

As for the business houses and office buildings, there is a great scarcity of such space. Montgomery street and the entire downtown business district is witnessing a building boom which will continue for a year or two, at least. I see no reason why the district should not extend up on Kearny street, and more than likely it will, in time The slight grade from Montgomery is not much of a handicap.

Taking the situation by and large, therefore, I should say that the time to build a home or an office building is now, because there is little hope of a fall in construction prices for several years.

## AUSTRALIAN FIRMS WANT SAN FRANCISCO BUSINESS.

Australian concerns are eager to do business with San Francisco firms, according to a letter received by the Foreign Trade Department of the Chamber of Commerce from Hon. A. Carnegie Ross, British Consul-General in San Francisco.

In this statement the British official states that Australia can consume large quantities of raw cotton, and has available for export pig iron, ores, wool, skins, hides, rabbits, tallow, boots, jams, etc. This statement is based on the report of a prominent Australian banker, who was recently in San Francisco.

Names of firms interested in building up a business with San Francisco along these lines are on file with the Foreign Trade Department and may be had on application.

## IONE MAY LAND A $100,000 CLAY PRODUCTS PLANT.

### Meeting Is Called to Consider A Plan to Subscribe for Half the Stock.

In its issue of January 21 the Stockton Evening Record publishes the following article:

JACKSON, Cal.—A movement is under way to interest investors of this county in the erection of a huge plant at Ione for the manufacturing of clay and sand products, such as tiling, terra cotta, brick and other articles.

A meeting has been called for the purpose of ascertaining, if possible, whether the people of Amador County are willing to subscribe at least $50,000 of the capital stock of a new company which is proposed to be organized for the purpose mentioned.

L. A. Steiger of San Francisco, whose life has been devoted to such work, states that he can sell $50,000 of the stock in San Francisco, but to build the plant in Amador County it will be necessary for the people of Amador County to subscribe to at least the same amount, for otherwise the San Francisco subscribers will insist that the plant be erected in their city. The aggregate of the two subscriptions will make a total of $100,000 which will enable construction work to start before May 1st. Steiger says he can sell the products very easily and assures a net profit for the first year. It is held this is not a speculative proposition because the clays and sands of Ione are being shipped daily to Stockton and other points where they are converted into the finished article, and therefore there is no reason why the finished article could not be manufactured and shipped out of Amador County instead of the raw material. If a new corporation is formed it will be with the understanding that the principal place of business will be located at Ione and

## JAS. C. HAYBURN APPOINTED GENERAL AGENT.

Our readers will be interested i hearing that our old friend, Jas. C. Hayburn, Resident Vice President of the Fidelity & Deposit Company of Maryland, has been appointed General Agent of the Great Eastern Casualty Company of New York for Automobile Insurance.

By reason of his long experience Mr. Hayburn is well qualified to give the very best service on automobile insurance of all kinds, and as the Great Eastern Casualty Company is one of the oldest and strongest companies in the business its policies will be very much sought after. Mr. Hayburn will keep his present location at 433 California Street for the automobile lines.

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES

Plans Being Figured. Bids Close Feb. 9, 1920.
APARTMENTS Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Two-story frame apartments (4 4-room apts.)
Owner—Withheld.
Contractor—Charles S. McKenzie, Bank of San Jose Bldg., San Jose.
NOTE:—Figures are being taken for a general contract.

Plans Being Prepared.
ADDITION Cost, $60,000
SAN FRANCISCO. N McAllister Street Bet. Leavenworth and Hyde Sts.
Five-story and basement steel and concrete addition to apartment house (35 2-room apts.)
Owner—Argyle Apartments.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

Plans to be Prepared.
ADDITION Cost, $——
MODESTO, Stanislaus Co., Cal. No. 815-817 Eleventh Street.
Addition of two stories for apartments to present building.
Owner—Oscar Hogin, Modesto Hotel, Modesto.
Architect—Not Yet Selected.

Plans Being Revised.
APARTMENTS Cost, $200,000
ASTORIA, Oregon.
FIREPROOF apartment house (75 apts., 3 and 4 rooms)
Owner—Corporation Yet to be Formed.
Architect—F. Manson White, Chamber of Commerce Bldg., Portland.

Contract Awarded.
APARTMENTS Cost, $16,000
OAKLAND, Alameda Co., Cal. W Second Ave. 60 N Boulevard Place, E-Oakland.
Three-story and basement frame apartments (8 2 and 3-room apts.)
Owner—J. R. Woolsey, 5677 Ocean View Drive, Oakland.
Architect—J. W. Wythe, Central Bank Bldg., Oakland.
Contractor—Mr. Griffith.

Sub-Figures Being Taken.
APARTMENTS Cost, $30,000
SAN FRANCISCO. E Gough Street 87-6 N California.
Three-story and basement frame apartments (6 apts).
Owner—E. E. Young.
Architect—E E. Young, 251 Kearny St., San Francisco.

Contracts Awarded.
APARTMENTS Cost, $——
SAN FRANCISCO. SE Sutter and Leavenworth Streets.
Six-story and basement Class "C" apartments (33 3-room apts.)
Owner—M. A. Little.
Architect—E. E. Young, 251 Kearny S., San Francisco.
**Concrete Work** awarded to The Mission Concrete Co., 180 Jessie St.
**Mill Work** to Pacific Mfg. Co., 177 Stevenson St.
**Plumbing** to Chas. Higgins, 1306 Shrader St.
**Carpentry Work** by days labor.

Plans Being Figured.
APARTMENTS Cost, $500,000
SAN FRANCISCO. SW Larkin and Francisco Streets.
Eleven-story and basement Class "A" apartment house (22 apts.)
Owner—Community Apartments Co., 22 Owners.
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, $13,000
SAN FRANCISCO. Clay near Larkin.
Alter three-story frame flats into 12 2 and 3-room apartments.
Owner—Mr. McLaughlin.
Architect—A. W. Burgren, 661 Hearst Bldg., San Francisco.
Figures are being taken or a general contract.

### BANKS

Contract Awarded.
BANK BLDG. Cost, $100,000
HEALDSBURG, Sonoma Co., Cal. West and Powell Streets.
One-story brick and hollow tile bank building, 60x100.
Owner—Healdsburg National & Savings Bank.
Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.
**General Contract**—Hayes-Oser Co., Call Bldg., San Francisco, approximately $70,000.
**Heating and Plumbing**—A. W. Garrett, Healdsburg.
**Painting**—Gurnette & Chandler, 51 Beaver St., San Francisco.
**Electric Work**—H. F. Haverkamp, 1148 Market St., San Francisco.

Plans Being Prepared.
BANK BLDG. Cost, $60,000
SANTA PAULA, Ventura Co., Cal.
Brick bank building, 48x114.
Owner—First National Bank.
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

### BONDS

CALWA, Fresno Co., Cal.—An election to decide the question of issuing bonds of $30,000 with which to erect a new school building is being considered by the Trustees of the Calwa School District.

It is planned to erect a building containing two classrooms and auditorium.

LINCOLN, Placer Co., Cal.—February 17th is the date set to decide the question of issuing and selling bonds of $50,000 with which to finance construction of a new school building for the Lincoln Union School District.

PACIFIC GROVE, Monterey Co., Cal.—The City Trustees have passed a resolution providing for the calling of a bond election to decide the question of issuing and selling bonds of $10,000 with which to purchase an auto fire engine.

E. H. Johnston is City Clerk.

GRIDLEY, Butte Co., Cal.—February 10th is the date set by the City Trustees to decide the question of issuing and selling bonds of $15,000 with which to finance construction of improvements and extensions to the present water works system.

Some of the work contemplated is the replacing of the wrought iron pipes under the streets that are to be paved with cast iron pipes. The pipes taken up will be used to extend and enlarge the existing system.

—At a recent election the formation of the Knightsen Irrigation District was accomplished and steps will now be taken to vote bonds with which to build an irrigation system. The new district comprises about 8,000 acres and extends from the eastern county line to a point near Oakley and from the river to Brentwood project south. Officers of the newly formed district are: I. R. Bailey, assessor; A. H. Shafer, collector and A. E. Bonnickson, treasurer. Directors—H. W. Heidorn, E. B. Sellers, Joseph Minta, W. A. Fotheringham and F. H. Estes.

FAIROAKS, Sacramento Co., Cal.—Preparations are being made in the Carmichael School District to vote bonds with which to finance construction of a new school building, the present structure being inadequate to serve the growing district. H. L. Nelson is Clerk of the District.

ARCADE, Sacramento, Cal.—An election will be held in the Arcade School District February 28th, to decide the question of issuing and selling bonds with which to finance the construction of a new school building. Trustees of the District are: Frank Trimble, Geo. W. Filcher and Mrs. W. T. Phipps.

SAN MATEO, San Mateo Co., Cal.—Meetings are being held urging the calling of a bond election to secure funds with which to finance construction of a new central school building in San Mateo. Ed. Foster is City Clerk of San Mateo.

LOVELOCK, Nevada—Bonds of $60,000 recently voted in the Lake School District have been sold and construction on the new building to be erected from the proceeds of the sale will be started in the near future.

SISSON, Siskiyou Co., Cal.—A petition has been presented to Kate E. Horn, County Superintendent of Schools, asking that an election be called to decide the question of forming a new grammar school district under consolidation of the Sisson, Upton and Azalea School Districts. Should the district be formed it is planned to vote bonds with which to erect a new grammar school.

EASTON, Fresno Co., Cal.—The Trustees of the Washington Union High School District are planning a bond election to secure funds with which to finance a new school building, the present building being too small to accommodate the growing district.

SISSON, Siskiyou Co., Cal.—Efforts to call a bond election in the southern portion of the county to decide the question of issuing bonds in the sum of $250,000 are being made by the Sisson Chamber of Commerce. Through the proceeds of the sale it is planned to build a road to Bartle through Fall River Valley, Shasta County. W. J. Neilon is County Clerk.

REDDING, Shasta Co., Cal.—February 24th is the date set for an election to vote on the question of issuing bonds of $92,500 with which to erect and equip a new grammar school building.

MAXWELL, Colusa Co., Cal.—Bonds of $60,000 with which to finance construction of a new high school building have been voted in the Maxwell High School District.

PHOENIX, Ariz.—An election will be held February 17 to vote on issuing $500,000 bonds for three new high school buildings. There will be a manual training building, gymnasium and a building containing class rooms to cost $460,000. The balance of the money will be used to pave streets around the high school grounds.

VALLEJO, Solano Co., Cal.—A date to hold a bond election to decide the question of issuing and selling bonds will be set by the City Council in the near future. Two propositions will be submitted as follows:

The first proposition is to call a bond election for approximately $250,000 for four new elementary schools of brick or concrete, including the purchase of the necessary sites, to be located as follows:

A 4-room school in the vicinity of the Vallejo Annex and Benicia Road.

A 4-room school on the Fleming site to replace the Roosevelt School.

A 4-room school in South Vallejo.

A 14-room school with assembly room on the site recently purchased at the intersection of Capitol and Colusa streets.

The second proposition is to call a bond election for $500,000, identical with the first proposal, except to provide $250,000 for the erection of a new high school building.

Architect W. H. Weeks, 75 Post St., San Francisco, recently submitted sketches for buildings under the proposed bond issue.

## CHURCHES

Preliminary Sketches Prepared.
CHURCH, ETC. Cost, $250,000
LOS ANGELES, Cal. Wilshire Blvd. and St. Andrews Place.
Reinforced concrete church and community house.
Owner—St. James and St. Barnabas Parishes of the Episcopal Church.
Architect—B. G. McDougall, 301 Alta Bldg., San Francisco.

Commissioned to Prepare Plans.
CHURCH Cost, $125,000
SEATTLE, Wash.
Brick and terra cotta church (1000 seats).
Owner—Westminster Presbyterian Church, Seattle.
Architect—Robert Orr, 1301 Van Nuys Bldg., Los Angeles.

## FACTORIES AND WAREHOUSES.

Contract Awarded.
CANNERY Cost, approximately $50,000
ISLETON, Sacramento Co., Cal. 1 mile above Isleton.
One-story frame cannery building.
Owner—Bayside Canning Co., Alviso, Calif.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—J. C. Thorp, Auzerais Bldg., San Jose.

Plans to be Prepared.
WAREHOUSE, ETC. Cost, $——
OAKLAND, Alameda Co., Cal. 14th, Poplar and Union Sts.
Reinforced concrete warehouse and garage buildings; frame engineer's cottage; grain elevators; well and water tower; tennis and basket ball courts; spur tracks, etc.
Owner—Pacific Coast Shredded Wheat Co., 14th and Poplar Sts., Oakland.
Engineer—J. S. Bogart, Mills Bldg., San Francisco.
NOTE:—The property has just been purchased and Mr. Bogart commissioned to prepare plans.
Announcement will be made in these reports when plans are complete and ready for figures.

Ready for Figures Next Week.
WAREHOUSE & REFRIGERATING Plant. Cost, $40,000.
MAYFIELD, Santa Clara Co., Cal.
One-story concrete and brick warehouse and refrigerating plant.
Owner—Bayside Canning Co., Alviso, Calif.
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.

Sketches Being Prepared
CREAMERY BLDG. Cost, $100,000
DAVIS, Yolo Co., Cal. University of California Farm.
One-story reinforced concrete creamery building.
Owner—University of California.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

Contracts Awarded. Roofing Figures Being Taken.
ADDITION Cost, $228,000
SAN FRANCISCO. Second and Bryant Streets
Five-story mill construction with steel tower addition to lithograph plant also a steel and concrete press room building, 80x125, in rear.
Owner—Schmidt Lithograph Co., Prem.
Manager of Construction—Frederick Whitton, 369 Pine St., San Francisco.
The following additional contracts have been awarded:
**Brick Work** to Anderson & Ringrose, 320 Market Street.
**Electric Wiring** to Watts Electric Co., 133 4th Street.
**Plumbing** to J. H. Pinkerton, 110 Jessie Street.
**Elevators** to Otis Elevator Co., Beach and Stockton Streets.
**Terra Cotta** to N. Clark & Son, 116 Natoma Street.

Plans Being Revised.
WAREHOUSE, ETC. Cost, $35,000
SAN FRANCISCO. Twelfth Street near Howard.
One-story brick and reinforced concrete warehouse and salesroom (building to be strong enough for 2 additional stories).
Owner—Michelin Tire Co
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.

Plans Nearing Completion.
EXTEND DOCK Cost, $80,000
SEATTLE, Wash.
80 Ft. extension to Dock, 350x125, requiring the driving of 800 piles.
Owner—East Waterway Dock & Warehouse Co., 930 W-Hanford St., Seattle, Wash.
Architects—Wm. Aitken, Associated with Engineer H. L. Fuller, Seattle

Building Permit Granted.
ALTERATIONS Cost, $10,000
SAN LEANDRO, Alameda Co., Cal.
Alterations and additions to steel and brick factory building, 50x300.
Owner—C. L. Best Gas Traction Co., San Leandro.
Architect—Not Given.

Plans Being Figured.
WAREHOUSE Cost, $——
SAN JOSE, Santa Clara Co., Cal. North Market St. bet. St. John and St. James Streets, running through to San Pedro.
One-story reinforced concrete warehouse, 80x200.
Owner—The Delmas Paper Co.
Architect—Louis Theo. Lenzen, 110 S-Second St., San Jose.

Working Drawings Being Prepared.
WAREHOUSE Cost, $——
SAN JOSE, Santa Clara Co., Cal.
One-story reinforced concrete warehouse.
Owner—Withheld.
Architect—Louis Theo Lenzen, 110 S-Second St., San Jose.
Plans will be figured in about three weeks.

WATSONVILLE, Sonoma Co., Cal.—The Directors of the Corralitos Fruit Growers' Association, has voted to erect a drying plant in this city. Construction will be started in the near future.

MERIDIAN, Sutter Co., Cal.—Alameda Sugar Company, 310 Sansome St., San Francisco, which proposes to erect a beet sugar factory near Meridian in

the Sacramento Valley, has been given authority by Commissioner Bellows to sell $900,000 face value of its bonds of its initial $1,500,000 band issue created in 1913.

This company proposes to use the proceeds in erecting and equiping a beet sugar factory near Meridian, Sutter County, to cost $1,500,000 or more.

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Contract Awarded.
PAPER MILL Cost, $200,000
PORT ANGELES, Washington.
Fireproof paper mill.
Owner—Washington Pulp & Paper Corporation, Port Angeles.
Architect—Eng. Dept. of Owners.
Contractor—Chris Kuppler & Sons, Seattle and Port Angeles, Wash.
Seattle offices of the contractors are maintained at 1018 Taylor avenue. Bids are now being received for steel, mill work, sand, gravel, roofing, etc.

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Plans Being Prepared.
ADDITION Cost, $——
SAN FRANCISCO. Missouri and Mohawk Streets.
Addition to frame brewery for spice factory.
Owner—Mary J. Claasen, 1193 Pine St., San Francisco.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

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Contract Awarded on a Percentage Basis.
COLD STORAGE PLANT
Cost, approximately $200,000.
OAKLAND, Alameda Co., Cal. N First St., bet. Market and Myrtle Sts., 184 x300.
Reinforced concrete ice and cold storage plant.
Owner—National Ice & Cold Storage Co., Postal Telegraph Bldg., San Francisco.
Architect—Eng. Dept. of Owner.
Mr. Howell is Chief Engineer.
Contractor—Nelson & Forsyth, Union Savings Bank Bldg., Oakland.

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Being Done by Days Labor.
HOG SHED Cost, $——
SAN RAFAEL, Marin Co., Cal. San Rafael Road.
One-story frame hog shed, 60x600.
Owner—Pacific Hog Co., San Rafael Road, near San Rafael.
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.
NOTE:—Work just started.

## FIREHOUSES AND JAILS

Plans Being Figured. Bids Close Feb. 14, 1920, 10 A. M.
FIRE HOUSE, ETC. Cost, $45,000
PORTLAND, Ore. Fourth and Taylor Streets.
Two-story brick and concrete fire house and comfort station.
Owner—City of Portland.
Architect—Not Given.
Plans may be seen at the office of the City Clerk.

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SAN FRANCISCO.—The Building Committee of the Board of Supervisors is contemplating the erection of an additional building at County Jail No. 3. It is probable that funds to finance construction will be made available in the near future.

## FLATS.

Sub-Figures Being Taken.
FRAME FLATS Cost, $5,000
SAN FRANCISCO. W Gough Street 30 S Oak Street.
Two-story frame (2) flats and a store.
Owner—Walter S. Goldberg, Rm. 19, 320 Market St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

## GARAGES

Plans Prepared.
GARAGE Cost, $75,000
FRESNO, Fresno Co., Cal. First Street opposite Car Barns.
One-story concrete and steel Class "A" garage, 225x133.
Owner—San Joaquin Light & Power Co., Fresno.
Engineer—Lee R. Duncan, Care San Joaquin Light & Power Co., Fresno.

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Plans Being Figured.
AUTO REPAIR SHOP Cost, $6,000
SAN FRANCISCO. Waller St. near Steiner.
One-story brick auto repair shop.
Owner—A. Schmidt.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Figures are being taken for a general contract.

## GOVERNMENT WORK AND SUPPLIES

ALBUQUERQUE, N. M.—Until 2 P. M., February 9, bids will be received by U. S. Bureau of Public Roads, 218 Luna-Strickler Bldg., Albuquerque, for constructing the Salt River-Pleasant Valley, Section 2B, project in the Tonto national forest, Gila County, Ariz. The road is 6.56 miles long and the work will involve 4,642 cu. yds. rock excavation, 12,314 cu. yds. common excavation, 12.40 M. B. M. bridge trestling in place, corrugated metal pipe culverts, log culverts, concrete, grouted stone pavement, rip-rap and incidental items. E. S. Wheeler, Acting District Engineer.

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WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer, The Panama Canal, up to February 11th, 10:30 A. M., for furnishing and delivering at either Cristobal (Atlantic Port) or Balboa (Pacific Port), the following supplies under Circular No. 1337:

Scrap-cutting shear, steam boilers, spiral riveted piping, copper cable, brass, bronze, copper, lead, zinc, copper pipe, copper tubing, brass tubing, porthole glasses, boat hooks, marine lights, door locks, grass furniture, huck towels, pens, carbon paper, bristle board, oxalic acid, ammonia, locomotive black, chrome green, enamel, litharge, ocher, linseed oil, putty, copper paint, tuscan red, pitch, soda ash, turpentine and lumber.

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WASHINGTON, D. C.—Plans for the following improvements at the San Diego Navy Yard are nearing completion in the Bureau of Yards and Docks, Navy Department, Washington, D. C., and a call for bids will be issued in the near future:

Specification 4097, San Diego, Calif., kitchen equipment.

Specification 4114, San Diego, Calif., Marine Corps Base, refrigerating plant, bakery and laundry equipment.

Specification 4117, San Diego, Calif., Repairs to coaling wharf.

Specification 4129, San Diego, Calif., Lighting fixtures for 6 barrack buildings.

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Proposals will be received at the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., until 10 o'clock A. M., February 6, 1920, for delivering marine glue, and until 10 o'clock A. M., February 10, 1920, for delivering electric water heaters and instrument and combination sterilizers to the navy yard, Mare Island, Calif. Apply for proposals to the Naval Purchasing Officer, San Francisco, Cal., or to the Bureau of Supplies and Accounts, SAMUEL McGOWAN, Paymaster General of the Navy.

## HOSPITALS

Sketches Being Prepared.
HOSPITAL Cost, $70,000
SANTA CRUZ, Santa Cruz Co., Cal.
Two-story reinforced concrete hospital.
Owner—Name withheld for present. (Private Institution).
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

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Plans Being Prepared.
NURSERY HALL Cost, $50,000
PORTLAND, Ore. East 22nd Street and Sandy Boulevard.
Brick nursery hall, U shape, 125x50.
Owner—Albertina Kerr Nursery.
Architects—Johnson, Parker & Wallwork, U. S. Bank Bldg., Portland.

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Plans Ready for Figures.
HOSPITAL BLDGS. Cost, $60,000
NEVADA CITY, Nevada Co., Cal. County Hospital Grounds.
Two-story reinforced concrete main building, and ward building for County Hospital Group.
Owner—County of Nevada.
Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.
It is planned to issue a call for bids on February 2nd closing date to be March 2, 1920.

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Plans to be Prepared.
ALTERATIONS Cost, $15,000
FERNDALE, Humboldt Co., Cal. Berding Street.
Alterations and additions to residence for Hospital.
Owner—Dr. H. J. Ring, Berding St., Ferndale, Cal.
Architect—Not Yet Selected.

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Site Purchased. Plans to be Prepared
HOSPITAL **Cost, $150,000**
MARSHFIELD, Ore. Old Cemetery Property.
Class "A" hospital building.
Owner—Mercy Hospital Association, Marshfield, Ore.
Architect—Not Yet Selected.

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REDWOOD CITY, San Mateo Co., Cal.—Dr. William Palmer Lucas of the University of California, who was employed by the Board of Supervisors to make a survey of the county for the purpose of ascertaining what is needed in the way of a new county

hospital, has recommended that a competition be called among San Mateo County architects for a new hospital. The report of Dr. Lucas provides that the successful architect shall receive 6 per cent of the total cost of the building and that three prizes of $400 each be given for the next best plans submitted. Competition is to be limited to resident architects of San Mateo County. Elizabeth M. Nash is County Clerk.

MERCED, Merced Co., Cal.—Bids will be received by the Tri-County Tubercular Hospital Committee of the Merced County Board of Supervisors at Merced on February 13th, 10 A. M., for furnishing and delivering f. o. b. Raymond, Merced County, equipment for the Tri-County Tubercular Hospital, located at Ahwahnee, Madera County. Bids may be submitted on all parts of the equipment. Plans may be seen at the office of Architect Julia Morgan, Merchants' Exchange Bldg., San Francisco.

## HOTELS

MADERA, Madera Co., Cal.—J. M. Griffin, E. E. Nelson and A. L. Scott, the committee appointed by the local Chamber of Commerce, have completed a report to finance construction, etc., for a new hotel building in this city It is planned to erect a structure costing in the neighborhood of $250,000.

The committee recommends that the selection of a site be made before a campaign for funds is made.

## PUBLIC BUILDINGS

Contract Awarded.
CITY HALL, ETC. Cost, $82,259
SOUTH SAN FRANCISCO, San Mateo Co., Cal.
Two-story and basement reinforced concrete City Hall and Jail.
Owner—City of South San Francisco.
Architects—Carl Werner and Alfred I. Coffey, Humboldt Bank Bldg., San Francisco.
Contractor—Larsen-Sampson Co., Crocker Bldg., San Francisco.

Preliminary Plans Being Prepared.
ADDITION Cost, $——
FRESNO, Fresno Co., Cal.
Addition of one-story and remodeling City Hall.
Owner—City of Fresno.
Architect—Eugene Mathewson, Cory Bldg., Fresno.

Plans Prepared.
MEMORIAL BUILDING Cost, $——
SALINAS, Monterey Co., Cal.
Fireproof Memorial Building.
Owner—Salinas Post American Legion, Salinas.
Architect—Ralph Wyckoff, 328½ Main St., Salinas.

## RESIDENCES

Plans Being Figured.
RESIDENCE Cost, $7,500
SAN FRANCISCO, Claremont Court.
Two-story frame residence.
Owner—Withheld.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Figures are being taken for a general contract.

Plans Being Prepared. To be Done by Days Work
RESIDENCE Cost, $9,500
SAN FRANCISCO, Miramar Ave. near Monterey Blvd.
One and one-half-story frame residence (8 rooms).
Owner—H. J. Hansen, 1327 20th Ave., San Francisco.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Sub-Figures Being Taken.
RESIDENCES Cost, $——
SAN FRANCISCO 19th, 36th, 39th and 40th Avenues.
Twenty one and two-story frame residences.
Owner—Various Owners.
Architect—None
Contractor—Meyer Bros., 2628 Anza St., San Francisco.
Meyer Bros. want sub-figures on all parts of the work except carpentry, which they will do.

Contract Awarded
BUNGALOWS Cost, $3,600 and $4,300
MARYSVILLE, Yuba Co., Cal. "I" St. bet. "J" and Pine Sts.
Thirty-two one-story frame and stucco bungalows (4, 5 and 6 rooms each).
Owner—Kelly Bros.
Architect & Contractor—Mt. Diablo Bldg. Co. A. R. Peddar, General Manager, Care Chamber of Commerce, Marysville.

Plans Being Prepared.
RESIDENCE & GARAGE Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Two-story frame residence and garage (14 rooms).
Owner—Withheld.
Architect—Louis Theo Lenzen, 110 S-Second St., San Jose.
Plans will be ready for figures in about a month.

Plans Being Prepared.
RESIDENCE & GARAGE Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Two-story frame residence and garage (10 rooms).
Owner—Withheld.
Architect—Louis Theo Lenzen, 110 S-Second St., San Jose.
Plans will be ready for figures in three or four weeks.

Plans Being Prepared.
RESIDENCE Cost, $7,500
SAN JOSE, Santa Clara Co., Location Not Given.
Two-story frame residence (9 rooms).
Owner—Withheld.
Architect—J. W. Wythe, Central Bank Bldg., Oakland.

Plans to be Prepared.
RESIDENCE, ETC. Cost, $——
COLUSA, Colusa Co., Cal. Near Convent bet. Seventh and Eighth Sts.
One one-story concrete residence and a number of frame dwellings.
Owner—Herbert Ellis, Colusa.
Architect—Not Yet Selected.

Plans Being Prepared. To be Done by Day Work.
DWELLINGS Cost, $3,000 to $7,500 each.
MONTEREY, Monterey Co., Cal. on Monterey Peninsula
Frame and cement stucco dwellings (4 to 8 rooms each.)
Owner—Del Monte Properties Co., Pacific Grove, Cal.
Architect—A. W. Angel, Pacific Grove
The Del Monte Properties Company intends to commence construction on five of the buildings early in February from a $25,000 fund now available. It is planned to appropriate additional funds as the work progresses. All work will be done by the building department of the company of which J. Beaumont is Secretary.

Plans Being Prepared. To be Done by Days Work.
FRAME DWELLING Cost, $7,500
SAN FRANCISCO, Miramar Ave., West-Days Work.
One-story frame dwelling (5 rooms and sleeping porch).
Owner—Bauer & Quinn, 2506 23rd Ave., San Francisco.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $10,777
BERKELEY, Alameda Co., Cal. No. 2944 Elmwood Street.
Two-story and basement frame residence (8 rooms).
Owner—A. G. Jeffress, London, Eng.
Architect—John H. Thomas, 1st Nat'l. Bank Bldg., Berkeley.
Contractor—G. A. Scott, 685 23rd St., Oakland.

Being Done By Days Work.
ALTERATIONS Cost, $6000
ROSS, Marin Co., Cal.
Alterations and additions to residence.
Owner—J. K. Armsby, 101 California St., San Francisco.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

Plans Being Prepared. Being Done by Days Labor.
ALTERATIONS Cost, $8,000
ROSS, Marin Co., Cal.
Alter and add to two-story attic and basement frame residence.
Owner—M. A. Palmer.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

## SCHOOLS

Plans Being Figured. Bids Close Feb. 16, 1920, 4 P. M.
SCHOOL Cost, $——
CUPERTINO, Santa Clara Co., Cal.
One-story frame and plaster high school (10 rooms and auditorium, etc.) Clay tile roof.
Owner—Cupertino Union High School District.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Bonds to the amount of $75,000 have been sold.
Bids will be opened in McKenzie's Office.

Plans Being Figured. Bids Close Feb. 16th, 8 P. M.
SCHOOL Cost, $40,000
SAN ANSELMO, Marin Co., Cal.
One-story brick and frame school building.
Owner—San Anselmo School District. Mrs. J. Jones, Clerk
Architect—J. W. Dolliver, 701 Royal Insurance Bldg., San Francisco.

Certified check of 10% payable to Mrs. L Jones, Clerk, must accampany each bid.

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Contract Awarded.
SCHOOL Cost, $30,900
TULARE, Tulare Co., Cal. Llila School District.
One-story brick school (4 rooms).
Owner—Llila School District.
Architects—Renfro & Lee, Porterville.
Contractor—Barkelew & Gould, Fresno

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Plans Approved. Bids to be Called Shortly.
ADDITION Cost, $——
FRESNO, Fresno Co., Cal.
Addition to Edison School.
Owner—City of Fresno. J. R. Fontaine, Secretary Board of Education, Fresno.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.

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Contract Awarded.
SCHOOL Cost, $87,677
LONG BEACH, Los Angeles Co., Cal. Fifteenth St. bet. Linden and Atlantic Streets.
Two-story hollow tile grade school (10 rooms, etc.)
Owner—City of Long Beach.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles, and Horace W. Austin, Long Beach.
Contractor—J. F. Atkinson, 1118 Story Bldg., Los Angeles.

The F. E. Newbery Electric Co., 724 Olive St., Los Angeles, was awarded the contract at $1294 for the electric wiring. The painting bids were rejected. Bids for other portions of the work are still under advisement.

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Bids Opened. Contracts Awarded.
SCHOOL Cost, $40,000
YREKA, Siskiyou Co., Cal.
One-story brick and concrete school.
Owner—Yreka Grammar School District.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
**Carpentry Work** awarded to C. L. Noel, Yreka, $28,656.
**Painting** to Nolan & Brickley; Yreka, 3,160.
**Plumbing** to Harry Ling, Yreka, $1,522.

The heating bids were taken under advisement and were from the following: Nelson Co., San Francisco; Provo Bros. and Ideal Heating Co.

Two bids were submitted for general contracts as follows: Monson Bros., $49,940 and T. B. Goodwin, $50,626.

Bids were taken both for a general contract and segregated contracts.

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Contract Awarded.
SCHOOL Cost, $50,000
CORNING, Tehama Co., Cal.
One-story reinforced concrete school.
Owner—Corning Grammar School District.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Contractor—W. R. Zumwalt, Willows.

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Plans Being Prepared.
SCHOOL Cost, $75,000
AUBURN, Washington.
Fireproof school building.
Owner—Auburn School District.
Architect—Wm. Mallis, 409 Lyon Bldg., Seattle, Wash.

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FRESNO, Fresno Co., Cal.—Bids will be received by the Board of Education J. R. Fontaine, Secretary, up to 5 P. M., February 19th for the following construction:

Specification "D" Roofing. Composition or Tile.

"G" Galvanized Iron and Sheet Metal Flashing.

"H" Lathing and Plastering.

"I" Electric Wiring, Clocks, Gongs, etc.

"J" Painting.

"K" Blackboards in place.

"L" Finish Hardware o. b. job.

"M" Patent Window Hardware.

For the John Muir, Arlington Heights, Webster, Longfellow, Kirk, Washington and Jackson School Buildings:

Also Specification "A" Excavation, concrete work, carpenter work, mill work, etc.

"B" Brick and Terra Cotta.

"C" Steel and Ornamental Iron.

"E" Plumbing.

"F" Heating.

For the Washington and Jackson School Buildings.

Plans may be seen at the office of Trewhitt-Shields Co., 435 Rowell Bldg., Fresno. Certified check of 10% must accompany each bid.

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Bids to be Advertised For This Week.
SCHOOL Cost, $125,000
MARTINEZ, Contra Costa Co., Cal.
Two-story brick or reinforced concrete High School (16 rooms and an assembly hall).
Owner—Alhambra High School District
Architect—A. A. Cantin, 68 Post St., San Francisco.

Figures will be called for a general contract for both brick and reinforced concrete construction.

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CORNING, Tehama Co., Cal.—The contract for the plumbing in the proposed Corning Grammar School Building has been awarded to Latourette-Fical Co., 3431 Sacramento Blvd., Sacramento.

The general contract has been awarded to W. R. Zumwalt of Willows, Cal., at approximately $50,000. Plans for the building were prepared by Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

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MODESTO, Stanislaus Co., Cal.—The City Board of Education has approved specifications for electric work in the new high school addition and bids have been ordered received up to February 16th.

Specifications were prepared by Architect John J. Donovan, Perry Bldg., Oakland.

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received January 24 for erecting the proposed Mr. Vernon Avenue and Highland Avenue grade schools in accordance with plans and specifications by Architect E. T. Harris were rejected and new bids will be taken. Following are the bids received:

contract—Quality Mill, $87,466; H. M. Cook, $87,998; Malcolm & Baugh, $89,-

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763. Heating—J. J. Maloney, $2200; Pacific Gas Radiator Co., $4,300; Pemberton Heating Co., $6,050.

Highland Ave. school: General contract—Malcolm & Baugh, $53,496; Quality Mill, $55,222; H. M. Cook, $54,948. Heating—J. J. Maloney, $1,100; Pacific Gas Radiator Co., $2,200; Pemberton Heating Co., $3,222.

The Mt. Vernon school is a one-story 10-room building, reinforce dconcrete construction with plastered exterior and tile and asbestos roof. Highland school is a one-story, 5-room building, reinforced concrete construction with plastered and brick exterior and asbestos roof.

## STORES AND OFFICES

Contract Awarded. Work Started.
BUSINESS BLOCK Cost, $40,000
WILLIAMS, Colusa Co., Cal.
Business Block, 125 ft. frontage.
Owner—Comstock Interests.
Architect—Not Given.
Contractor—W. R. Fait, Woodland.

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Preliminary Plans Being Prepared.
OFFICE BLDG.
Cost, $1,000,000 to $1,500,000
SAN FRANCISCO, SE Main and Market Streets.
Ten or Fifteen-story Class "A" office building.
Owner—Matson Navigation Co., 120 Market St., San Francisco.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

It is probable that the Lindgren Co. will have charge of construction, although it has not been definitely decided.

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Contract Awarded. Work Started.
AUTO SALESROOM Cost, $25,000
PATTERSON, Stanislaus Co., Cal. On State Highway.
One-story reinforced concrete auto salesroom, 85x160.
Owner—P. H. Schimmin.
Architect—Not given.
Contractor—A. Jones, Modesto.

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Contract Awarded
STORE BLDG. Cost, $10,290
SAN FRANCISCO, Fillmore Street near Eddy Street.
One-story Class "C" reinforced concrete store building.
Owner—Jos. Shoenfeldt, Cr. Architect.
Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.

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Contract Awarded.
STORE Cost, $——
PETALUMA, Sonoma Co., Cal. Keller and Western Avenue.
One-story reinforced concrete store.
Owner—M. Vonsen Co., 114 Kentucky St., Petaluma.
Architect—Not Given.
Contractor—H. P. Vogensen, 600 5th St., Petaluma.

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Contract Awarded.
STORE BUILDING Cost, $21,350
SAN FRANCISCO. E Mission 125 S 18th Street.
One-story brick store building.
Owner—Lotta P. Rossier, 1775 Golden Gate Ave., San Francisco.
Architects—Weeks & Day, Phelan, Bldg., San Francisco.
Contractor—Quinn & Reilly, 180 Jessie, St., San Francisco.

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Contract Awarded on a Percentage Basis.
OFFICE BLDG. Cost, $1,500,000
LOS ANGELES, Cal. SW Sixth and Olive Streets.
Twelve-story and basement Class "A"

office and store building, 110x205 (352 offices).
Owner—Lee A. Phillips and Associates.
Architect & Engineer—W. J. Dodd and Wm. Richards, 905 Brack-Shops Bldg., Los Angeles.
Contractor—Scofield Engineering Construction Co., 510 Wright & Callender Bldg., Los Angeles.

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Plans Approved. Construction to be Started Shortly.
POST OFFICE Cost, $——
GILROY, Santa Clara Co., Cal. Sixth St. bet. Monterey and Eigleberry.
One-story and basement reinforced concrete post office.
Owner—M. Casey, Gilroy, Cal.
Lessee—United States Government.
Architect—Not Given.

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Contract Awarded.
ALTERATIONS Cost, $12,000
SAN FRANCISCO. N Sutter Street bet. Montgomery and Kearny Streets.
Alter three-story Class "C" store and loft building (alter front and interior).
Owner—Geo. L. Bishop.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
**Elevator** awarded to Otis Elevator Company.

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Plans Being Prepared.
ALTERATIONS Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Alterations to brick stores.
Owner—Withheld.
Architect—Louis Theo Lenzen, 110 S-Second St., San Jose.

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Ready for Figures End of This Week.
STORE BUILDING Cost, $——
SAN JOSE, Santa Clara Co., Cal. Second St. bet. Santa Clara and San Fernando Sts.
One-story brick store building (3 stores).
Owner—Wm. Halla.
Architect—Louis Theo Lenzen, 110 S-Second St., San Jose.

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SAN FRANCISCO.—Thos. Mulcahy, 180 Jessie St., has been awarded a contract at about $5000 for the brick work in connection with the construction of the Power Rubber Company's one-story brick store building. It will be erected on the north side of Turk street 96 feet east of Van Ness Ave. Jas. B. McSheehy, 1147 Dolores St., has the general contract.

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Contract Awarded.
ALTERATIONS Cost, $10,000 approximately.
SAN FRANCISCO. E Stockton bet. Geary and Post Streets.
Extensive alterations for store (Patent store fronts, hardwood interior, mirrors, etc.)
Owner—J. F. Wooster.
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.
Contractor—Home Mfg. Co., 543 Brannan St., San Francisco.

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Figures Being Taken For Steel.
OFFICE BLDG Cost, $1,000,000 approximately.
SAN FRANCISCO. Pine and Montgomery Sts. (Old Nevada Block Property).
Fifteen-story Class "A" office building.
Owner—Commercial Union Assurance and The California Fire Insurance Company.
Architects—Geo. W. Kelham and Kenneth MacDonald Jr., Associated, Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

## THEATRES

Sub-Figures Being Taken.
ALTERATIONS Cost, $125,000
STOCKTON, San Joaquin Co., Cal. Main and San Joaquin Streets.
Extensive alterations to theatre and store (new entrance, interior decoration, heating system, etc.)
Owner—Yosemite Theatre Co.
Architects—Weeks & Day, Phelan Bldg., San Francisco.
Bids were opened last week for a general contract but ran too high.

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Plans Being Prepared.
THEATRE Cost, $750,000
SAN FRANCISCO. Fourth Street S of Market from Stevenson to Jessie Street, 310x305.
Class "A" motion picture theatre, 5000 seating capacity.
Owner—Turner & Dahnken.
Architect—A. W. Cornelius, Merchants' National Bank Bldg., San Francisco.
Construction will be started in about four months.

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Ready For Figures in a Week.
THEATRE Cost, $125,000
RICHMOND, Contra Costa Co., Cal. MacDonald Avenue.
One-story and balcony Class "A" theatre and (2) stores.
Owner—Turner & Dahnken, San Francisco.
Architect—A. W. Cornelius, Merchants National Bk. Bldg., San Francisco.

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Ready For Figures in About 2 Weeks.
THEATRE. Cost, $100,000
SALINAS, Monterey Co., Cal.
Two-story reinforced concrete theatre, offices and (2) stores.
Owner—Brown Bros., Salinas.
Lessee—Turner & Dahnken, San Francisco.
Architect—A. W. Cornelius, Merchants National Bk. Bldg., San Francisco.

# ENGINEERING

## BRIDGES, DAMS & HARBOR WORK

SACRAMENTO, Cal.—A deep water canal for this city as being considered by the City Commission, M. J. Desmond, City Clerk. The Deep Water Canal Committee of the Chamber of Commerce has prepared a report on the proposed project and this will receive early consideration.

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PHOENIX, Ariz.—Until 2 P. M., Feb. 20, bids will be received by the State Engineer for the construction of a concrete arch bridge across the Agua Fria river near Marinette (Federal Aid Project No. 10); plans and specifications may be seen at the office of the State Engineer and in the office of the Board of Supervisors of Maricopa County, or may be obtained on payment of $3. Certified check for 5% required.

SEATTLE, Wash.—Jarvis & Ward, 5206 15th Ave., N. E. Seattle, have been awarded contracts by the King County Commissioners, Seattle, for the construction of bridges A and B in Maple Valley and the Farrell's bridge over Cedar River on their bids of $21,970, $20,725 and $15,190 respectively The structures will be of steel construction.

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SAN FRANCISCO.—Bids will be received by the U. S. Engineers Office at 401 Custom House, San Francisco, for furnishing and delivering stone and constructing a breakwater at the Crescent City Harbor, California.

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VENTURA, Ventura Co., Cal.—Until 11 A. M., Feb. 7, bids will be received by the Board of Supervisors for the removal of a steel span bridge 130 ft. in length, a distance of 1½ miles, and erection of same on new abutments; the bridge is located about 6 miles north of Santa Paula. Plans and specifications on file in the office of the County Surveyor. Certified check or bid bond 10%.

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PHOENIX, Ariz.—Until 2 P. M., Feb. 7, bids will be received by the State Engineer for the construction of a 60-ft. span steel bridge with concrete floor on reinforced concrete abutments, across Railroad Wash near Duncan on the Clifton-Franklin highway (Federal Aid Project No. 13); plans and specifications may be seen at the office of the State Engineer or at the office of Greenlee County Highway Commission at Clifton, and copies may be obtained on payment of $5 to the State Engineer. Certified check of 5% required.

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RED BLUFF, Tehmaa Co., Cal.—Bids will be received by H. G. Kuhn, County Clerk, up to February 10th, 10 A. M., for the construction of a reinforced concrete bridge across Dry Creek on the route of the State Highway, in Supervisors District No. 3.
Certified check of 10% payable to County Clerk must accompany each bid.

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RED BLUFF, Tehama Co., Cal.—John B. Leonard, 57 Post St., San Francisco, has been selected by the County Supervisors to prepare plans and specifications for the proposed Squaw Hill bridge for which details of construction have been approved by the State Highway Commission. H. G. Kuhn is Clerk of Tehama County.

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RENO, Nevada—Plans and specifications for the construction of the proposed bridge across the Truckee river at the Western extremity of Riverside Drive, known as the "Electric Light Bridge" have been received by the Reno City Council who will seek the approval of the Washoe County Commissioners. The structure will be financed by both the city and county.

## MACHINERY.

MONTEREY, Monterey Co., Cal.—The bid of Smith, Booth-Usher Co., Monadnock Bldg., San Francisco, has been accepted by the Monterey City Council for furnishing and delivering a street grader. The bid was $350. Archie Kay is City Clerk.

REDWOOD CITY, San Mateo Co., Cal.—The County Supervisors, Ernest Werder, County Purchasing Agent, are planning the purchase of a sterilizer for the county farm and hospital. Elizabeth M. Nash is County Clerk.

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WOODLAND, Yolo Co., Cal.—The City Trustees have accepted the offer of the Layne & Bowler Corp., 625 Market St., San Francisco, to install a trial pump at the municipal water plant. If the pump is satisfactory the city will pay the firm $2,833. J. H. Langenour is City Clerk.

## IRRIGATION PROJECTS

SAN FRANCISCO—The following applications have been filed with the State Water Commission, Call Building, San Francisco, for permits to appropriate water:

NOTE:—Number mentioned at end of each paragraph is application number and must be given should additional information be wanted.

J. J. Deuel, Ralph Haven, M. P. Flickinger, S. I. Merrell and C. A. Melcher, acting as trustees for proposed Kern Delta Irrigation District, Bakersfield, Kern County, 2,000 cubic feet per second from Kern River for hydro-electric power development. Amount of water to be stored 1,500,000 acre feet. Total amount of power to be developed 150,000 T. H. P. Diversion works consist of a main canal about 30 miles long and a dam 280 feet high, 2700 feet long on top and 200 feet long at bottom, of rubble masonry with overflow weirs and spillways. The plans, however, are subject to modification after detailed investigations and estimates have been made. 1547.

J. J. Deuel, Ralph Haven, M. P. Flickinger, S. I. Merrell and C. A. Melcher, acting as trustees for proposed Kern Delta Irrigation District, Bakersfield, 1,500,000 acre feet per annum from Kern River in Kern and Tulare Counties, for agricultural purposes—water to be used on 400,000 acres. Water will be diverted into main ditch and two main branches about 100 miles long over a dam 50 feet high, 350 feet long on top and 150 feet long at bottom, to be constructed of rubble masonry—to be overflow type. Estimated cost of proposed works $15,000,000. Applicant allowed 6 months from Dec. 5, 1919, to file maps. 1548.

E. E. Burdick, Big Pine, Inyo County, 217.12 acre feet per annum from Red Mountain Creek Lake, for storage of flood and unused waters for irrigation and domestic purposes. Water to be used on 160 acres. Diversion works consist of old channel of Red Mountain Creek, 4½ miles long and a masonry and concrete dam 16 feet high, 265 feet long on top and 210 feet long at bottom. Estimated cost, $2880. 1554.

James Buletti and F. Signarotti, of Modesto, and A. F. Gervasoni, of Crows Landing, Stanislaus County., 30 cubic feet per second from El Puerto Creek, Stanislaus County, for irrigation of 567 acres. Water will be diverted over a concrete dam about 10 feet high, 24 feet long on top and 12 feet long at bottom into a main ditch 1½ miles long. Estimated cost $3,000. Applicants allowed 60 days from Dec. 6, 1919, to file maps. 1555.

A. R. Kanaga, San Francisco; A. P. Holland, Oakland; S. H. Thomson, Clovis; E. N. Rector, Merced, 120 cubic feet per second from Mill Creek, 330 cfs. from Wilson Creek, 50 cfs. from unnamed creek between Wilson and Bridgeport Canyon Creek, and 100 cfs. from Bridgeport Canyon Creek, for irrigation and domestic purposes—water to be used on an area of 7,000 to 10,000 acres. Applicants allowed to July 1, 1920 to file maps and perfect application. 1558.

Harry Haskell Reeves, Calipatria, Imperial County, 15 cubic feet per second from Alamo River, Imperial County, tributary of Salton Sea, for agricultural purposes. Water to be used on 147 acres. Diversion to be accomplished by ordinary water wheel to be constructed in stream. Estimated cost $1500 to $4000. 1559.

U. B. Tyler, Red Bluff, Tehama County, 50 cubic feet per second from Sacramento River in Tehama County, for irrigation of 2,665 acres. Water will be diverted through main pipe line 15,000 feet long. Estimated cost, $65,000. 1560.

City of Healdsburg, by Fred W. McConnell, its attorney, 3 cubic feet per second from Little Sulphur Creek, Sonoma County, tributary of Russian River, for power purposes. Total amount of power to be developed 354 T. H. P. Diversion to be by means of dam 70 feet high, 250 feet long on top and 10 feet long at bottom of concrete with multiple arch. Estimated cost, $50,000. Applicant allowed to March 19, 1920 to file maps. 1561.

City of Pasadena, Water Department, Pasadena, 14½ cubic feet per second from Arroyo Seco, Los Angeles County, tributary to Los Angeles River, for municipal water supply. Amount of water to be stored 4,500 acre feet. Water is to be drawn from storage reservoir by means of tunnels located beneath and adjacent to the reservoir in order to provide natural filtration to the surface waters. Estimated cost $290,000, borne by Los Angeles Flood Control District. 1562.

R. G. McDonald, Mina, Nevada, 30 cubic feet per second from Convict Creek, Lake Dorothy and Lake Genevieve, in Mono County, tributary of Owens River, for power purposes. Amount of water to be stored 14,000 and 3,000 acre feet. Total amount of power to be developed 3,000@80% T. H. P. Applicant allowed 6 months from Dec. 12, 1919, to file maps. 1564.

R. G. McDonald, Mina, Nevada, 30 cubic feet per second from Convict Creek, Genevieve and Dorothy Lakes, Mono County, for power purposes. Amount of water to be stored 17,000 acre feet. Total amount of power to be developed 3,000@80% T. H. P. Applicant allowed 6 months from Dec. 12, 1919, to file maps. 1565.

Lucerne Water Company, a corporation, Grenada Siskiyou County, 23 cubic feet per second from Shasta River, Siskiyou County, tributary of Klamath River for agricultural purposes. Water to be used on 5,509 acres. Water will be diverted over a dam 10 feet high, 180 feet long on top and 100 feet long at bottom, of loose rock and timber, with overflow weir. Estimated cost, $200,000. Applicant allowed to Feb. 1, 1920 to file maps. 1566.

P. F. Jones, for Modesto Irrigation District, 4,000 cubic feet per second from Tuolumne River, Tuolumne County, tributary of San Joaquin River, for power purposes. Amount of water to be stored 600,000 acre feet. Total amount of power to be developed 45,000 T. H. P. Diversion works consist of concrete dam 283 feet high, 930 feet long on top and 100 feet long at bottom. Estimated cost, $1,000. 1568.

The Southern Sierras Power Company, Riverside, 45 cubic feet per second from Convict Creek, Mono County, tributary Owens River, for power purposes. Amount of water to be stored 5,580 acre feet in Lake Dorothy, 1750 from Lake Genevieve and 3,122 in Convict Lake. Total amount of power to be developed 14,077 T. H. P. Applicant allowed 9 months from Dec. 26, 1919, to perfect application. 1570.

Modoc County Development Board, of Alturas, Modoc County, 75,000 acre feet per annum from drainage area of Ash Valley, Lassen County, for agricultural purposes. Applicant allowed 6 months from Dec., 3, 1919, to perfect application. 1577.

Geo. W. Moore, Colusa, 224 cubic feet per second from trough of Colusa Basin, for agricultural purposes on 8,960 acres. Applicant allowed 30 days from Dec. 26, 1919, to file maps. 1578.

Sierra Valley Water Company, 10,000 acre feet per annum from Webber Lake, Sierra County, for agricultural purposes. Applicant allowed 6 months from Dec. 3, 1919, to perfect application. 1579.

Wm. A. Royce, Bishop, Inyo County, 18 cubic feet per second from Hilton Creek and Hilton Lakes, Mono County, tributary of Owens River, for power purposes. Amount of water to be stored 8,000 acre feet. (App. incomplete). 1584; and same applicant for 20 cubic feet per second from McGee Creek and headwater lakes, Mono County, trihutary Owens River, for power purposes—6,000 acre feet to be stored. (App. incomplete). 1585.

Conoway Ranch, Woodland, Yolo County, 200 cubic feet per second from Sacramento River, Yolo County, for irrigation of 20,000 acres. Main canal to be 5½ miles long. Estimated cost $600,000. 1588.

Reclamation District 108, care F. H. Tibbetts, 1320 Alaska Commercial Building, San Francisco, 300 cubic feet per second from Sacramento River, Colusa County, for agricultural purposes on 58,100 acres. Main canal to be 9 miles long—no dam required—reinforced concrete culverts underneath base of river levee, 6 openings each, 5 foot square. At river ends of culverts 6 48-inch screw pumps being installed to be used during low water stages of river. Estimated cost $130,000. 1589.

Antone Quadros, Nord, Butte Co., 14 cubic feet per second from Pine Creek Lagoon and Sacramento River, Butte County, for agricultural purposes on 650 acres. Water to be diverted by means of one 12-inch centrifugal pump driven by 45 H. P. motor and 1 8-inch centrifugal pump driven by 18 H. P. motor, said pump discharges water into Redwood pipe. Applicant allowed 60 days from Dec. 31, 1919, to complete application. 1592.

A. L. Fearrien, Korbel, Humboldt County, 50 cubic feet per second from Mill Creek, Humboldt County, tributary Trinity River, for hydraulic and placer mining purposes. Applicant allowed 60 days from Dec. 21, 1919, to perfect application. 1593; and App. No. 1594 by same applicant for 30 cubic

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feet per second from Hastler Creek, Humboldt County, for hydraulic and placer mining purposes. Applicant allowed 60 days from Dec. 31, 1919, to perfect application.

S. J. Haukins, for proposed Glenn-Colusa Irrigation District, San Francisco, 600 cubic feet per second from Sacramento River, Glenn County, for irrigation of 93,675 acres. There will be a main canal for diversion purposes 50 miles long, and a pumping plant with units of wood screw pumps with combined capacity of 1500 second feet. Estimated cost $2,500,000. 1595.

Allen Talbot, for Modesto Irrigation District, Modesto, application No. 1599, for 10,000 cubic feet per second from Tuolumne River, Tuolumne County, for power purposes. Amount of water to be stored 120,000 acre feet. Amount of power to be developed 120,000 T. H. P. Diversion works consist of main canals and tunnels 22.75 miles long, and steel and concrete dam 330 feet high, 850 feet long on top and 150 feet long at bottom and another concrete dam 250 feet high, 800 feet long on top and 50 feet long at bottom. Estimated cost, $16,000,000; and application No. 1600, by same applicant for 10,000 cu. ft. per second from Tuolumne River, Tuolumne County, for agricultural purpose. Water to be used on 100,000 acres. Amount of water to be stored 120,000 acre feet. Diversion works consist of same as in application No. 1599.

MODESTO, Stanislaus Co., Cal.—The Directors of the Modesto Irrigation District have instructed Percy Jones, Chief Engineer, to commence construction of a flume across the main drainage ditch on the Machado Ranch west of Modesto and to submit estimates of costs for lining the Davison fill in lateral No. 1.

The following petitions were referred to Engineer Jones for report:

Toomes & Frederick for a side gate in lateral No. 8; J. E. Durham for a sidegate in lateral No. 3, and P. J. O'Leary for a sidegate in the Goldsworthy ditch; A. G. Unquist, for a bridge across lateral No. 3.

MARYSVILLE, Yuba Co., Cal.—Bids will be received by the Board of Directors of the Cordua Irrigation District, Warren Steel, Secretary, Ellis Block, Marysville, up to February 11th, 10 A. M., for approximately nine miles of distributary ditches requiring approximately 32,000 cubic yards of excavation and borrowed embankment.

Certified check of 10% payable to Cordua Irrigation District must accompany each bid.

EL CENTRO, Imperial Co., Cal.—Until 10 A. M., Feb. 10, bids will be received by Directors of Imperial Irrigation District for east side heading replacement. Plans and specifications may be seen at office of Board. F. H. McIver, Secretary.

TERRA BELLA, Tulare Co., Cal.—Bids will be received by Earle R. Clemens, Secretary of the Terra Bella Irrigation District, up to February 3rd, 11 A. M., for furnishing and delivering the following materials for use in the district

For electric motors of 30, 40 and 50 horsepower, according to specifications prepared by Irwin H. Althouse, Supt.

For the furnishing and installing two deep well turbine pumps, one pump 540 gpm, total head 150 ft., one pump 900 gpm, total head 140 ft.

For the furnishing of 12 ⅝ inch, 10 1 inch, 10 1½ inch and 20 2 inch cold water meters, also 10 meters of a gravity type.

Certified check of 10% must accompany each bid.

## SEWERS, STREET WORK & WATER SYSTEMS

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to Bates & Borland, Oakland Bank of Savings Bldg., Oakland, for the improvement of Octavia street from the southwest line of Penniman avenue to the northeast line of Allendale avenue by grading; constructing concrete curbs and gutters, 2 feet wide; cement concrete sidewalks and paving with an oil-macadam.

BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has voted to widen the easterly side of Shattuck avenue between Allston way and Kittredge street by cutting away the sidewalk from 19 feet to 13 feet, an additional street area of six feet will be possible.

VALLEJO, Solano Co., Cal.—An appropriation of $5,000 has been made for the construction of cement sidewalks about the Medical Supply Depot at the Mare Island Navy Yard.

The work will be done by day labor.

VALLEJO, Solano Co., Cal.—The contract for paving Hichborn street from Sacramento to Wilson street was not awarded at the last meeting of the City Council. Alf E. Edgcumbe, City Clerk, at the request of property owners. It is thought the one bid received will be rejected and the work done under private contract.

The bid was submitted by R. J Blanco, Vallejo, at $39,195.

HANFORD, Kings Co., Cal.—In addition to other improvements the City Council has ordered the improvement of Elma street from Park Avenue to Harris street; Harris street from Sixth street to the north city limits; Tenth street from Douty to Brown street; Myrtle street from Park Avenue to Harris street and Katherine street from Redington to Douty street. It is understood that Florinda and Ivy street property owners are signing petitions for street work. D. C. Williams is City Clerk.

LOS ANGELES, Cal.—G. T. McLain, 1184 N. Berendo St., Los Angeles, submitted the only bid at $29,000 for constructing 12,680 lin. ft. of 5-in. oiled macadam pavement 22 feet wide on Francisquito Ave. between Covina Blvd. and Glendora Ave., near Puente, in Road Improvement District 147-A. The bid was referred to the County Engineer. Approximate quantities involved: 3150 cu. yds. excavation; 12,700 lin. ft. shaping road bed; 9400 tons of crushed rock; 740 bbls. of oil; 207 cu. yds Class A concrete in dips; 720 lbs. reinforcing steel; 240 ft. 18-in. and 32 ft. 12-in. corrugated metal pipe culvert. The county will furnish the crushed rock.

SANTA ANA, Orange Co., Cal.—Until 10 A. M., February 17, bids will be received by the Supervisors of Orange County for paving Orangethorpe Ave. from state highway east 2¾ miles to Placentia. An assessment district is being formed in connection with this improvement. J. L. McBride, County Engineer.

NAPA, Napa Co., Cal.—The City Engineer, H. H. Thompson, City Clerk, has instructed the City Engineer to prepare plans and specifications for the macadamizing and curbing of Patchett street between Second and Oak streets.

BLYTHE, Riverside Co., Cal.—Until 7:30 P. M., February 9, bids will be received by City Clerk C. B. Reynolds for the following: One 50,000 gallon water tank on 80 ft. tower, either steel or wood, same to be erected on foundation furnished by city. One 14-in. well cased with No. 12-gauge double stove pipe casing having a minimum depth of 125 ft. Also 1-in. and 2-in. black dipped standard screw pipe and fittings; 4-in., 6-in. and 8-in. 14-gauge double riveted steel pipe with protective soil-proof wrapping and fittings; 1-in., 2-in., 4-in., 6-in. and 8-in. valves and 4-in. fire hydrants. Specifications may be secured from Olmsted & Gillelen, consulting engineers, 1112 Hollingsworth Bldg., Los Angeles. Certified check for 10% required.

HOLBROOK, Ariz.—Until 2 P. M., February 28, bids will be received at the office of the Supervisors of Navajo County at Holbrook for grading and constructing drainage project No. 2, Sec. 3, Holbrook-St. Johns highway, federal aid project No. 3, involving 16,180 cu. yds. unclassified excavation and 400 cu. yds. concrete and other drainage and incidental structures. Plans and specifications may be obtained from Thomas Maddock, State Engineer, at Phoenix, on deposit of $5.

FRESNO, Fresno Co., Cal.—The City Council has passed a resolution of intention providing for the improvement of Santa Fe avenue from the Friant branch of the S. P. railroad to the north line of Butler avenue by grading; constructing cement concrete curbs and gutters and paving with a 5-inch cement concrete base and 1½-in. Warrenite bitulithic wearing surface. Chas. Dillon is City Clerk.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, has passed a resolution of intention providing for the improvement of Eteventh street between Clinton and Lucas avenues and a portion of Lucas avenue by grading; constructing cement concrete curbs; gutters and sidewalks and paving with a 5-inch cement concrete base with a wearing surface of asphalt and broken rock and the construction of 560 feet of 6-inch vitrified ironstone sewer pipe, Y's, lampholes, etc.

BAKERSFIELD, Kern Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, was awarded the contract at $20,478.10 for paving N St. in street district No. 48, the unit prices being 3.8c sq. ft. for grading; 19.8c sq. ft. for 3-in. asphaltic concrete base and 1½-in. Warrenite surface, 29c sq. ft. for concrete gutter and 52c lin. ft. for cement curb. No other bid received. F. W. Nighbert of Bakersfield, was awarded the contract at $11,107.25 for grading and oiling O St. in street district No. 49, his unit prices being 5.5c sq. ft. for grading and oiling; 50c ft. for cement curb; 28c sq. ft. for concrete gutter and 18c sq. ft. for cement sidewalk. Federal Construction Co. submitted the only other bid at 9c for grading and oiling; 60c for curb; 29c for gutter and 24c for sidewalk; total, $15,563.60. R. H. Hubbard, City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council is considering the improvement of lower Pacific avenue with Warrenite topping and the improvement of River street. It is also planned to construct sidewalks in the lower portion of Pacific avenue. S. A. Evans is City Clerk.

MANTECA, San Joaquin Co., Cal.—The City Trustees have instructed City Engineer Jefferies to have five Y connections installed in the sewer line in South Main street.

A favorable report was submitted on the organization of a street paving district and lighting system which is estimated to cost $9,000. Geo. H. Singleton is Town Clerk.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Monticello avenue from Fairfax to Allendale avenue by grading; constructing concrete curbs and gutters; paving with oil macadam; storm water drains, etc.

RICHMOND, Contra Costa Co., Cal.—A comprehensive plan of street improvements covering the entire city is being considered by the City Council, A. C. Faris, City Clerk.

The Council is now considering plans for the extension of the paved area of Twenty-third street north from Esmond avenue to the north city boundary, 1 mile of paving in the Pullman and East Shore Park sections and the repaving of Tenth street from Barrett to Ohio avenues with concrete to replace the present water-bound macadam.

SEATTLE, Wash.—Coluccio & Erickson, Care City Engineer's Office, Seattle, have been awarded the contract for grading and laying concrete walks in 41st Avenue North, and other streets in that vicinity. The bid was $73,-172.50.

CLOVIS, Fresno Co., Cal.—Bids will be received by L. E. Weldon, City Clerk, up to February 17th, 7:30 P. M., for the complete furnishing and installation of a two stage centrifugal pump, capable of delivering 500 gallons of water per minute into the present water distribution system and tank under a maximum static head of 135 feet above the pump; said pump to be equipped with a check valve and a gate valve on the suction and discharge side of same and all proper fittings to connect and install the same in usable condition; to change the present suction and discharge pipe arrangement to conform with the proposed installation; to place proper foundations under new pump and bearings for countershaft; to cut off countershaft to the present pump and replace with a longer new one to suit the conditions of the proposed installation; to remove the friction clutch of the present electric motor connection to the countershaft and to install a new sliding clutch by which the new countershift may be connected to the countershaft of the present pump; to furnish and install new bearings for the new countershaft; to properly fasten the sprocket of present countershaft on the new countershaft, or to supply a new spocket which can be so fastened; to furnish and install chain and spockets for connecting the new centrifugal pump to new countershaft and to install the friction clutch of the present electric motor connection on the connection of the new pump to the countershaft; to do whatever else is necessary to make a complete, efficient and usable installation in which the present electric motor may be used to operate either the present pump or the new centrifugal pump.

Certified check of 10% payable to City of Clovis must accompany each bid. Plans may be had from the office of the City Clerk or from the engineers, Jensen & Ross, Patterson Block, Fresno.

FRESNO, Fresno Co., Cal.—County Engineer Chris P. Jensen has received word from P. G. Redington, district forester, that aid from the Government in the construction of the proposed Mountain road improvements in this vicinity cannot be had at this time owing to lack of funds.

The formal application for federal aid was made on September 12 for the following roads: Millwood-Sand Creek cut-off, Sand Creek road; Auberry-Huntington Lake road, Centerville-Trimmer Springs road, and the Clovis-Toll House road.

VENTURA, Ventura Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Building, Los Angeles, was awarded the contract at about $19,595 for paving Telephone road with 4 inches of concrete and constructing a concrete lined storm ditch; bids opened January 24, 1920. Chas. Petit, County Surveyor. The contract involves (a) 8,850 cubic yards excavation at 85c yard; (b) 26,-435 lineal feet shaping road bed at 16c a foot; (c) 5,245 cubic yards concrete paving at $4.90 a yard; (d) 75 cu. yds. concrete in culverts at $15 yd.; (e) 1,310 cu. yds. concrete in ditch lining at $7.90 a yard; (f) 28 feet 18-inch metal pipe at $2.70 a foot; (g) 9,530 pounds reinforcing steel at 11c a pound. County furnishes cement, sand and gravel.

RICHMOND, Contra Costa Co., Cal. Preliminary plans are being made by H. D. Chapman, City Engineer, for the Sixteenth street viaduct and the Macdonald avenue subway. A. C. Faris is City Clerk.

MARTINEZ, Contra Costa Co., Cal.—At the last meeting of the City Trustees plans and specifications for the Frazer addition streets were ready for adoption, but owing to change in the course of Pine street at Jones, where it is proposed to change the route to the Pacheco boulevard, the matter was continued for one week. C. E. Daley is City Clerk.

EL CENTRO, Imperial Co., Cal.—Resolutions of intention to pave Orange Ave. between Fourth and Sixth Sts., Lenrey Ave. between Fourth and Sixth, Wensley Ave. between Sixth and Seventh, El Centro Ave. between Fifth and Sixth, and Fifth and Sixth Sts. north to the San Diego & Arizona R. R. have been adopted by council. Bitulithic paving will be laid.

SAN BERNARDINO, Cal.—The County Supervisors have offered to pave Highland Ave. between G and A Sts. with concrete if the city and property owners will co-operate in lowering the grade. Property owners will urge council to take up the matter. This improvement will join the county highway through the city. The street grade must be lowered an average of about two feet.

OROVILLE, Butte Co., Cal.—The City Trustees, John W. Gibson, City Clerk, has passed a resolution of intention providing for improvement of Montgomery street beginning at east line of Outside Lot 26, produced, across Montgomery street and extending to a line across at right angles to Montgomery street at a point 51 feet northeast from the northwest corner of Outside Lot 40, by grading and placing a Warrenite bitulithic wearing surface 1½ inches thick over an asphaltic concrete base 2 inches thick.

WOODLAND, Yolo Co., Cal.—County Engineer Asa G. Proctor has completed plans for two units of the county highway system to be constructed under the recent bond issue of $1,000,000, and bids will probably be called at the February session of the County Supervisors.

The first unit will be that between Knights Landing and Woodland, a distance of 11 miles.

The second unit covers nine miles, and is between Davis and Winters.

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FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has awarded contracts for street work as follows:

To Thompson Bros., 1514 H St., Fresno, for the improvement of Merced street from the southwest line of "G" street to the southwest line of "H" street, by grading; consructing cement concrete curbs and gutters; corrugated metal culverts; stone sidewalks and paved with a 4-inch concrete base and a Warrenite-bitulithic wearing surface 1½ inches thick.

To the California Road and Street Improvement Co., Bank of Italy Bldg., Fresno, for the improvement of Wishon avenue from the south side of Van Ness Boulevard to a point 10 feet north of the south line of Block 5, Wilson's North Fresno Tract, on the west side of the Fresno Traction Company track and to a point 29 feet north of the south line of Lot 4, Wilson's North Fresno Tract, on the east side of the Fresno Traction Co. track, by grading; construction of cement concrete curbs and gutters; corrugated iron culverts, and paved with a cement concrete base 4 inches thick and a Warrenite-bitulithic wearing surface 1½ inches thick.

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REDWOOD CITY, San Mateo Co., Cal.—At the last meeting of the County Supervisors a petition from the San Carlos Community Council relative to the formation of an improvement district at that place for the purpose of constructing new streets, was ordered referred to District Attorney Swart to answer in regard to legal conditions.

George A. Kneese is County Engineer and Elizabeth M. Nash, County Clerk.

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LODI, San Joaquin Co., Cal.—The City Trustees, H. S. Clark, City Clerk, are planning the following sewer improvements:

Extension of storm sewer in North Sacramento street, estimated cost, $3,500.

Sewer in southwestern portion of Barnhart tract, cost $1,000 and sewer across from the south end of the city to Hutchins street.

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ORLAND, Glenn Co., Cal.—W. M. Meek of Marysville has been named by the Trustees to take charge of the legal and engineering matters connected with the proposed paving of the Orland streets.

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OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, is considering the improvement of several streets surrounding the Laurel school and for the widening of Fourteenth street between Alice and Oak streets.

An appropriation has been made by the Council to finance the improvement of Calavaras avenue and Mountain Boulevard in the vicinity of the Chabot Observatory.

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OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Henrietta street from 34th avenue southeasterly by grading; constructing concrete curbs and gutters; paving with oil macadam; vitrified pipe conduits, etc.

LODI, San Joaquin Co., Cal.—Under a private contract, the Clark & Henery Construction Co., 38 S-Sutter St., Stockton, will improve all streets of Lodi connecting with Cherokee Lane, estimated to cost $1600. The work will be paid for by the City of Lodi and the County of San Joaquin.

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YREKA, Siskiyou Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for the proposed sewer extension and to establish grades on streets where the extension will be laid.

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BURBANK, Los Angeles Co., Cal.—Koebig & Koebig, 841 Title Insurance Bldg., Los Angeles, have been retained by the City of Burbank to prepare plans and estimates for a sewer system preliminary to submitting a bond issue. Cost, from $100,000 to $150,000.

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YUMA, Ariz.—Geo. S. Benson & Sons, Stimson Bldg., Los Angeles, were awarded the contract at about $91,000 to construct a sewer system comprising about 13 miles of pipe including about 6 miles of 20-in. outfall sewer, and sewage pumping plant. F. S. Ingalls, City Engineer.

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SAN BRUNO, San Mateo Co., Cal.—The City Trustees, Nettie A. Willitts, City Clerk, have approved plans and specifications for the proposed water system and a call for bids will be issued within the next few weeks.

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SACRAMENTO, Cal.—The County Supervisors, Harry W. Hall, County Clerk, have instructed Drury Butler, County Surveyor, to prepare the necessary plans and specifications for the

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CARSON CITY, Nevada—Governor E. D. Boyle has appointed W. H. Johnston of Reno on the State Highway Commission.

He succeeds George K. Elder, who recently resigned following removal from office of Commissioner W. B. Alexander by Governor Boyle because of Alexander's refusal to take orders.

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PITTSBURG, Contra Costa Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for the sewer work planned under the recently voted bond issue, for which $20,000 was provided for a sewer system and $20,000 for storm sewers. Jas. Fitzgerald is City Clerk.

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MARYSVILLE, Yuba Co., Cal.—Discussion of plans for a bridge over the Sutter by-pass near O'Banion's Corners and for the road which is to connect that section with the Sutter County's highway system leading to Yuba City and Marysville, is being had by the Directors of Yuba and Sutter Counties. Ways and means to finance the project were discussed but nothing definite determined. George F. Maddox, General Manager of the Sutter Basin Company, is interested in the work and combining the movement for the proposed bridge to span the Feather River at the the southern end of the by-pass, and the road giving the Sutter Basin easy access with. Sacramento, with the movement.

VENTURA, Ventura Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at $48,498 for paving Vineyard Ave., Wood road, Dempsey road and Gonzales road near Oxnard with 4-in. Class A concrete 16 ft. wide; bids opened January 24, 1920. The contract involves (a) 5440 cu. yds. excavation at 75c; (b) 29,520 lin. ft. shaping roadbed at 16c ft.; (c) 18½ cu. yds. concrete in culverts at $15 yd; (d) 2832 sq. yds. concrete paving, county furnishing cement at $8 yd.; (e) 3038 cu. yds. concrete paving, county furnishing cement, sand and gravel, at $5.40 yd.; (f) 120 ft. 12-in. metal pipe at $2.50 ft.; (g) 30 ft. 18-in. metal pipe at $3.00 ft.; (h) 1000 lbs. reinforcing steel at 11c lb.

T. E. Hill & Co. of Los Angeles, submitted the only other bid at (a) 96½c, (b) 21½c, (c) $27; (d and e) $6.58, (f) $2.70, (g) $3.40, (h) 7c; total, $51,231.90.

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FLORENCE, Ariz.—R. Toohey of Phoenix, was awarded the contract at $96,002.62 for grading and constructing drainage structures on the Florence-Casa Grande County highway; bids opened January 13, 1920. Geo. S. Benson & Sons of Los Angeles, submitted the only other bid at $127,409. W. W. Lane, Highway Engineer.

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TUCSON, Ariz.—Until 10 A. M., Feb. 23, bids will be received by Pima County Highway Commission for constructing 14.5 miles of gravel surfaced road from south boundary of Papago Indian reservation to Tucson-Nogales highway. Plans may be obtained on application to L. E. Barker, Engineer of the Commission, New City Hall, Tucson. Certified check for 10% required. E. G. Bush, Secretary.

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PASADENA, Los Angeles Co., Cal.—The City of Pasadena has started work on the southern end of the Arroyo Seco road to the top of Mt. Wilson. There is $213,000 in sight for this improvement, the state contributing $100,000, Pasadena Board of Trade, $10,000, City of Pasadena, $22,000, the forest service $21,000, and Los Angeles County, $60,000. The road will be 22 ft. wide.

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LOS ANGELES, Los Angeles Co., Cal.—Plans for constructing the San Gabriel canyon highway were discussed at a conference of U. S. forest service and state highway officials and others with the Los Angeles county supervisors. It is proposed that the county shall vote $125,000 for the work, like appropriations to be made by the State and U. S. Forest Service, making a total of $375,000. The first work will be the cutting down of the "hump" at the mouth of the canyon and this work will be carried as far as funds now available will permit.

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SANTA MONICA, Los Angeles Co., Cal.—Until 10 A. M., Feb. 3, bids will be received by the City Clerk for improving Raymond Court bet. Fourth Court and Sixth street, Fourth Court between Raymond Ave. and Hill St., and a portion of Sixth St. by grading and paving with a 2½-in. concrete base and 1½-in. cement surface; constructing wooden bulkheads and catchbasin and bringing manholes and flush tank to grade. Work will be done under Improvement Act of 1911. John A. Morton, City Engineer.

LANCASTER, Los Angeles Co., Cal.—Until 11 A. M., Feb. 16, bids will be received by the Supervisors of Los Angeles County for constructing a water system for the town of Lancaster, comprised in water works district No. 4. Bids will be taken separately for the distributing system, for pump and pumping system, for well and pit, for constructing pump house and for trenching and backfilling. Plans and specifications on file in office of Board of Supervisors. Certified check for 10% required. A. M. McPherron, Clerk. Water will be supplied from a driven well. There will be a single acting triplex plunger vertical type pump to lift 170 gallons per minute 100 ft., operated by 75-h. p. Wagner or equal motor; 90-ft. steel tower with 75,000 gallon steel tank. All 6-in., 4-in. and 3-in. pipe will be machine banded redwood and 2-in. pipe standard lap welded. Bonus to amount of $30,250 have been voted and sold. Plans and specifications were prepared by the Chief Mechanical Engineer of the county.

## FIRE EQUIPMENT.

SAN FRANCINSCO—Bids will be received until February 18, 1920, by the San Francisco Fire Department for furnishing 2¾-in. fire hose in lots of not less than 4,000 or more than 8,000 feet for use in the San Francisco Fire Department, in strict accordance with the specifications and conditions contained in the proposal blanks prepared by this department, on file, and copies of which may be obtained at the office of the Board of Fire Commissioners, City Hall, San Francisco, Calif.

BOARD OF FIRE COMMISSIONERS,
Frank T. Kennedy, Secretary.

# Official Proposals.

### NOTICE TO CONTRACTORS. SALMON RIVER ROAD.

SEALED PROPOSALS for constructing or improving the Salmon River National Forest Road Project, located within or partly within the Klamath National Forest, State of California, County of Siskiyou, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Building, San Francisco, California, **until 2 o'clock P. M. on the 16th day of February, 1920,** at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The length of project to be constructed or improved is approximately 1 mile, and the principal items of work are approximately as follows:

Clearing and Grubbing, 52 stations.
Excavation, unclassified, 17,000 cubic yards.
Dry Rubble Masonry, 200 cubic yards.
Log Cribbing, 440 square feet.
Timber Bridging, 306 lin. feet.
Corrugated Metal Pipe, 190 lin. ft.
Finishing Earth Road, 1.0 miles.

The work embraced in this contract shall be completed within 150 weather-working days. (page 6).

The contract form and the maps, plans, specifications and estimate of quantities may be examined by responsible contractors at the following addresses:

886 Mills Building, San Francisco, Calif.
After Feb. 1, 1920, District Ranger, Orleans, Calif.
After Feb. 1, 1920, District Ranger, Forks of Salmon, Calif.
After Feb. 1, 1920, Forest Supervisor, Yreka, Calif.
After Feb. 1, 1920, H. F. Ferrill, Eureka, Calif.

All proposals must be made on forms furnished by the District Engineer, Bureau of Public Roads, and in accordance with instructions forming a part of the specifications above referred to.

C. H. SWEETSER,
District Engineer.

### BIDS WANTED FOR DISTRIBUTING SYSTEM.

### NOTICE TO CONTRACTORS.

The Bureau of Yards and Docks, Navy Department, Washington, D. C., will open proposals in the near future for distributing systems and power plant equipment, San Diego, Calif., as shown on drawings and Specification No. 4118.

The drawings and specification may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., to the Aide for Public Works, Twelfth Naval District, Mare Island, Calif., or to the Public Works Officer, Twelfth Naval District, South of San Francisco Bay, Timken Building, San Diego, Calif., by placing a deposit of $10 as security for their safe return within five days after the award of the contract.

The power plant building and stack have been provided under a separate contract and equipment is now to be provided and installed. Underground distributing systems for steam and electricity are also to be provided and installed. The power plant equipment will include two oil burning boilers, oil pumping equipment, boiler feed pumps, feed water heater, feed water filter, two engine driven alternators, one engine driven and one motor driven exciter, switchboard, transformers and electrical connections, vacuum pumps and air separating tank; piping, valves, fittings and appurtenances. The distributing systems will include fibre and terra cotta ducts, concrete ducts, manholes, hand holes, wires, cables, transformers, steam and return piping and pipe covering and accessories.

The estimated cost is $150,000.00.
(tf)

### BIDS WANTED FOR CLEARING SITE

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN that the Snow Mountain Water and Power Company will receive at its office, 216 Pine Street, San Francisco, California, **up to 2 o'clock P. M. of February 10th, 1920,** sealed bids for the clearing of the Gravelly Valley reservoir site, in Lake County, California, of all trees, brush, logs, etc., whether alive or dead, standing or fallen. Maps and specifications for the clearing of said reservoir site, are on file in the office of the Snow Mountain Water and Power Company in San Francisco, and Ukiah, California, to which all bidders are hereby referred.

The Company reserves the right to reject any and all bids.

Dated, January 15th, 1920.
SNOW MOUNTAIN WATER AND POWER COMPANY.
By W. S. Graham, General Manager.

### BIDS WANTED FOR ALTERATIONS TO SACRAMENTO POST OFFICE. INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 12, 1920.—SEALED PROPOSALS will be opened in this office at **3 P. M., February 18, 1920,** for the extension, remodeling, etc., of the United States Post Office and Court House at Sacramento, Calif. Drawings and specifications may be obtained from the Custodian at Sacramento, Calif., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

### NOTICE TO CONTRACTORS.

Sanitary District No. 2, will receive bids for the construction of 415 ft. of 6" sewer in Madera Park Tract in accordance with plans now on file with Secretary of the Board. Bids will be opened February 11th at 8:00 P. M. Board reserves right to reject any and all bids.

B. W. TOMPKINS, Secretary.
Corte Madera, Cal.
Dated Jan. 23, 1920.

### CONSTRUCTION OF STADIUM URGED

SAN FRANCISCO.—Eustace M. Peixotto, executive secretary of the Community Recreation League, at a recent meeting of the various Mothers' Clubs, urged the importance of providing an athletic stadium for San Francisco.

### PLANS FOR STATE IMPROVEMENTS COMPLETED.

SACRAMENTO, Cal.—Plans for the expenditure of approximately $31,000 for the construction of a trade school building to be operated in connection with the Chico State Normal School have been approved by the Advisory Board to the State Department of Engineering.

Plans for the structure have been prepared under the direction of State Architect George B. McDougall.

Approval of the Board also has been secured of plans calling for an outlay of approximately $47,000, for the construction of cottages on the farm of the Stockton State Hospital and the installation of a $14,000 sewerage system at the same place.

### PLUMBING CONTRACT AWARDED.

PORTLAND, Ore.—What is said to be the largest plumbing contract let in this section has been secured by the Dausch-Weber Heating and Engineering Co. of this city for approximately $140,000 in connection with Montgomery Ward building in Portland. The contract includes the heating, plumbing and installation of mechanical equipment.

Wells Bros. Construction Co., who maintain temporary offices in Portland, have the general contract.

### FARMS COMPANY TO BUILD SMALL TOWN IN SACRAMENTO.

SACRAMENTO, Cal.—Articles of incorporation have been filed with Harry W. Hall, County Clerk, by the Tyler Island Farms Company with the principal place of business as San Francisco. The company is capitalized at $1,000,000 and plans farm operations on Tyler Island, Sacramento County, where it is proposed to build a small town and various farm buildings

Directors of the company are: Thos. McCormack and Daniel McCormack of Rio Vista, Mortimer Fleishhacker and T. C. Tilden of San Francisco and Richard Girvin of Menlo Park.

### DEL NORTE CANNOT ISSUE HARBOR BONDS.

Del Norte County has no authority for issuing and selling $200,000 worth of bonds in aid of the development plans for the harbor of Crescent City, according to an opinion rendered by Attorney General U. S. Webb. The improvement of the harbor rests with the State and Federal authorities, according to the ruling.

### BUSINESS OPPORTUNITY.

Edward Anderson, 2106 High Street, Oakland, Cal., wishes to get in touch with manufacturers of hydraulic hoists.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| | | | |
|---|---|---|---|
| 196 | Allen | Hamill | 12000 |
| 197 | Same | Same | 12000 |
| 198 | Same | Same | 30000 |
| 199 | Same | Same | 36000 |
| 200 | Alpers | Owner | 750 |
| 201 | Bearwald | Fontanella | 750 |
| 202 | Grannuchi | Britt | 700 |
| 203 | Dalwick | Smith | 850 |
| 204 | Riddell | Owner | 10000 |
| 205 | Noon | Owner | 500 |
| 206 | Roos | Bateman | 18900 |
| 207 | Columbia | Owner | 8000 |
| 208 | Claasen | Nelson | 1351 |
| 209 | Conners | Steinauer | 1625 |
| 210 | Thompson | Fassio | 40693 |
| 211 | Same | Central | 1175 |
| 212 | Same | Percy | 1512 |
| 213 | Same | Snook | 1492 |
| 214 | Same | Michel | 1186 |
| 215 | Same | Maundrell | 985 |
| 216 | Same | Lyden | 4133 |
| 217 | McDiarmid | Owner | 500 |
| 218 | MacKillop | Owner | 4000 |
| 219 | MacKillop | Owner | 12000 |
| 220 | Bearwald | Fontanella | 750 |
| 221 | Young | Owner | 25000 |
| 222 | Seaver | Owner | 1000 |
| 223 | Seaver | Owner | 1000 |
| 224 | Crocker | Samuelson | 3000 |
| 225 | Same | Same | 2900 |
| 226 | Rossier | Quinn | 21349 |
| 227 | Bishop | Jensen | 8726 |
| 228 | Franklin | Vukicevich | 2100 |
| 238 | Mariani | Pasqualetti | 1280 |
| 239 | Same | G G Iron Wks | 1617 |
| 229 | United R. R. | Owner | 1500 |
| 230 | Krutmayer | Bergren | 2000 |
| 231 | Bender | Owner | 2000 |
| 232 | Marx | Fink | 1700 |
| 233 | Janssen | Owner | 3950 |
| 234 | Green | Taylor | 22000 |
| 235 | Green | Taylor | 23000 |
| 236 | Goldberg | Owner | 4275 |
| 237 | Simorini | Owner | 800 |
| 240 | Becker | Meyer | 4160 |
| 241 | Becker | Meyer | 15600 |
| 242 | Cohn | Anderson | 2800 |
| 243 | B B Hall | Hansen | 10000 |
| 244 | Licht | Sherwood | 5000 |
| 245 | Pig'n Whistle | Gough | 11000 |
| 246 | Waissman | Quinn | 2000 |
| 247 | Heymann | Heyman | 8000 |
| 248 | Heymann | Heyman | 16000 |
| 249 | Associated Oil | Vogt | 2289 |
| 250 | Palidori | Cohn | 3975 |
| 251 | Same | Drake | 4100 |
| 252 | Riley | Kragen | 500 |
| 253 | Eisner | Boyver | 925 |
| 254 | Marks | Owner | 9500 |
| 255 | United | Brown | 3000 |
| 256 | Cypress | Malloch | 500 |
| 257 | Gately | Owner | 500 |
| 258 | Cronin | Cronin | 2350 |
| 259 | O'Brien | Scott | 3610 |
| 260 | Schoenfeld | Cameron | 9765 |
| 261 | West | Duncan | 15834 |
| 262 | Harvey | Ahl | 3500 |
| 263 | Hall | Hall | 6000 |
| 264 | Affelther | Horstmeyer | 1900 |
| 265 | Joyce | Kelly | 6800 |
| 266 | Pechner | Brass | 4484 |

RESIDENCE
(196) NE CALIFORNIA AND TWENTY-ninth. Two-story and basement frame residence.
Owner—Allen & Co., 125 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Thos. Hamill, 4101 Balboa, San Francisco.
COST, $12,000

RESIDENCE
(197) NW CALIFORNIA AND TWENTY-ninth Ave. Two-story and basement frame residence.
Owner—Allen & Co., 125 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Thos. Hamill, 4101 Balboa, San Francisco.
COST, $12,000

RESIDENCES
(198) W TWENTY-NINTH AVE. 31-10, 63-8 and 96-6 N California. Three two-story and basement frame residences.
Owner—Allen & Co., 125 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Thos. Hamill, 4101 Balboa, San Francisco.
COST, $30,000

RESIDENCES
(199) E TWENTY-NINTH AVE. 31-3, 62-6 and 93-9 N California. Three two-story and basement frame residences.
Owner—Allen & Co., 125 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Thos. Hamill, 4101 Balboa, San Francisco.
COST, $36,000

ALTERATION
(200) SE FILLMORE AND SUTTER. New show windows in store.
Owner—C. Alpers, Premises.
Architect—None.
COST, $750

GARAGE
(201) W FIRST AVE. 150 N Clement. One-story frame (private) garage.
Owner—A. Bearwald, 367 First Ave., San Francisco.
Architect—None.
Contractor—L. Fontanella, 1682 Eddy St., San Francisco.
COST, $750

ALTERATION
(202) NO. 412 FRONT St. Build office and make minor changes in store
Owner—Mr. Grannuchi, 111 Jackson, San Francisco.
Architect—None.
Contractor—O. W. Britt, 1115 Scott St., San Francisco.
COST, $700

ALTERATION
(203) NO. 755 McALLISTER. Tar and gravel roof, remodel front and construct 15-foot extension for store.
Owner—J. Dalwick, 149 Page St., San Francisco.
Architect—Grant E. Smith, 255 Pine, San Francisco.
Contractor—Chas. S. Smith, 311-A, San Jose Ave., San Francisco.
COST, $850

RESIDENCE
(204) E THIRTY-SECOND AVE. 564 S California. Three-story and basement frame residence.
Owner—Aggie W. Riddell, 1011 Hobart Bldg., San Francisco.
Engineer—Otto F. Schiller, 44 Eastwood Drive, San Francisco.
Day's work. COST, $10,000

ALTERATIONS
(205) NO. 460 LARKIN ST. Move partitions in barber shop 5 feet to the rear of building.
Owner—E. F. Noon, 525 Turk St., San Francisco.
Architect—None.
COST, $500

ALTERATIONS
(206) NE MARKET AND STOCKTON Sts. Alterations and changes for interior of clothing store.
Owner—Roos Bros., Premises.
Architect—Mr. Metcalf, Los Angeles.
Contractor—Wm. Bateman, 1915 Bryant St., San Francisco.
COST, $18,900

ALTERATION
(207) E LAGUNA 50 N Vallejo. Change present four-story frame flats into three-story frame apartments.
Owner—Columbia Building Investment Co. (R. S. Browne), Foxcroft Bldg., San Francisco.
Architect—Jos. L. Stewart, Claus Spreckels Bldg., San Francisco.
COST, $8,000

ADDITION
(208) SW MISSOURI AND MOHAWK. Addition of one story for office.
Owner—Mrs. Mary J. Claasen, 1193 Pine St., San Francisco.
Architect—C. A. Meussdorffer, 1107 Humboldt Bank Bldg., San Francisco.
Contractor—H. Nelson, 51 Seville St., San Francisco.
COST, $1,351

ALTERATIONS
(209) NO. 540 VAN NESS AVE. General alterations and repairs for auto repair shop.
Owner—Miss F. Conners, 3526 Sacramento St., San Francisco.
Architect—None.
Contractor—A. Steinauer, 3726-A Sacramento, San Francisco.
COST, $1,625

AUTO SALES BLDG.
(210) NW FOURTEENTH & DOLORES N 316-5¼ SW 147 S 223 m or l E 92. Excavating, concrete, reinforcing steel, carpenter, mill, hardware, etc., for one-story auto sales building.
Owner—Adrienne, Nellie and Chas. Thompson.
Architect—Arthur G. Bugbee, Sharon Bldg., San Francisco.
Contractor—Vincenzo Fassio, A. E. Smith and Val Franz Jr., 180 Jessie St., San Francisco.
Filed Jan. 26, '20. Dated Jan. 15, '20.
Monthly payments of..... 75%
**36 days after** ..... 25%
TOTAL COST, $40,693
Bond, $30,519. Surety, Fidelity & Deposit Co. of Maryland. Limit, 75 days. Forfeit, none. Plans and specifications filed.

(211) ELECTRIC WORK ON ABOVE.
Contractor—Central Electric Co., 185 Stevenson St., San Francisco.
Filed Jan. 26, '20. Dated Jan. 19, '20.
Payments same as above.....
TOTAL COST, $1175
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(212) SHEET METAL SKYLIGHTS, flashings and underwriter doors on above.
Contractor—Percy Sheet Metal Works, 348 Guerrero St., San Francisco.
Filed Jan. 26, '20. Dated Jan. 21, '20.
Payments same as above.....
TOTAL COST, $1512
Bond, $1134. Surety, Hartford Accident & Indemnity Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(213) PLUMBING, GAS FITTING, ETC., on above.
Contractor—Frederick W. Snook Co., 596 Clay St., San Francisco.
Filed Jan. 26, '20. Dated Jan. 19, '20.
TOTAL COST, $1492
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(214) STEEL SASH ON ABOVE.
Contractor—Michel & Pfeffer Iron Works, 1415 Harrison, San Francisco.
Filed Jan. 26, '20. Dated Jan. 23, '20.
Payments same as above.....
TOTAL COST, $1186
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(215) PAINTING, ETC., ON ABOVE.
Contractor—H. Maundrell & Co., 180 Jessie St., San Francisco.
Filed Jan. 26, '20. Dated Jan. 23, '20.
Payments same as above.....
TOTAL COST, $985
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(216) LATHING, ETC., ON ABOVE.
Contractor—Lyden & Bickel, 269 Fell St., San Francisco.
Filed Jan. 26, '20. Dated Jan. 24, '20.
Payments same as above.....
TOTAL COST, $4133
Bond, $2200. Surety, London & Lancashire Indemnity Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

**PERMITS.**

ALTERATION
(217) NO. 871 DOLORES. Raise and move to front the present dwelling and alter for a basement garage.
Owner—W. G. McDiarmid, 3212 22nd, San Francisco.
Architect—None.
COST, $500

DWELLING
(218) W FORTY-SECOND AVE. 50 S Balboa. One-story and basement frame dwelling.
Owner—Alex. MacKillop, 685 40th Ave., San Francisco.
Architect—None.
Day's work. COST, $4,000

DWELLINGS
(219) W FORTIETH AVE. 50 and 75 S Balboa. Two one-story and basement frame dwellings.
Owner—Alex. MacKillop, 685 40th Ave., San Francisco.
Architect—None.
Day's work. COST, $8,000

GARAGE
(220) W FIRST 150 N Clement. One-story (frame) private garage.
Owner—A. Bearwald, 369 First Ave., San Francisco.
Architect—None.
Contractor—L. Fontanella, 1682 Eddy San Francisco.
COST, $750

APARTMENTS
(221) E GOUGH 87-6 N California. Three-story and basement frame (6) apartments.
Owner—Edward E. Young, 251 Kearny St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
COST, $25,000

ALTERATIONS
(222) NO .2084-86 McALLISTER ST. New stairs, install windows, skylight, concrete sidewalk, painting, etc., for dwelling.
Owner—Geo. H. Seaver and wife, 1981 McAllister, San Francisco.
Architect—None.
COST, $1,000

ALTERATIONS
(223) NOS. 2080-82 McALLISTER ST. Repair stairs, install windows, electric work, etc., for dwelling.
Owner—Geo. H. Seaver and wife, 1981 McAllister, San Francisco.
Architect—None.
COST, $1,000

DWELLING
(224) E NAPLES 300 N Geneva. One-story and basement frame dwelling.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph, San Francisco.
COST, $3,000

DWELLING
(225) W NAPLES 275 N Geneva. One-story and basement frame dwelling.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph, San Francisco.
COST, $2900

BRICK STORE BUILDING
(226) E MISSION 125 S Eighteenth. All work for one-story brick store building.
Owner—Lotta P. Rossier.
Architect—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—P. P. Quinn, 752 4th Ave., San Francisco.
Filed Jan. 27, '20. Dated Jan. 23, '20.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $21,349
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(227) N SUTTER bet. Kearny and Montgomery No. 126 Sutter. All work for alterations and additions except elevator, electric fixtures and shades to a three-story and basement brick building.
Owner—Geo. L. Bishop, Cr. Architect.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed Jan. 27, '20. Dated Jan. 26, '20.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $8726.50
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today.

ALTERATIONS
(228) SW COLE AND HAIGHT. All work for alterations to store.
Owner—S. Franklin, 1800 Haight St., San Francisco.
Architect—C. S. McNally, 23 Woodland Ave., San Francisco.
Contractor—M. E. Vukicevich and Spencer E. Bagge, 180 Jessie St., San Francisco.
Filed Jan. 27, '20. Dated Jan. 26, '20.
Iron work in floors laid and show windows ready for glass.....$775
Completed and accepted..... 775
Usual 35 days..... 550
TOTAL COST, $2100
Bond, $1050. Sureties, Theo. De Fast and F. M. Stich. Limit, 30 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit applied for today.

**PERMITS.**

ALTERATION
(229) BLOCK BOUNDED BY BRYANT, Alameda, York and Division. Cut opening in north wall to permit installation of spur track, remove portion of oil tank and make addition to oil tank room.
Owner—United Railroads, 58 Sutter, San Francisco.
Architect—None.
COST, $1500

ADDITION
(230) NOS. 2212-2214 GEARY ST. Addition to present flats, cement work, pastering, etc.
Owner—M. Krutmayer, —— Geary St., San Francisco.
Architect—None.
Contractor—L. G. Bergren, 209 Sanchez, San Francisco.
COST, $2000

REMODEL
(231) SE O'FARRELL AND ST. JOSEPH AVE. Remodel and re-arrange 2nd floor rooms, new roof, pastering, pumbing, etc., for flats.
Owner—A. M. Bender, 1261 Broderick, San Francisco.
Architect—None.
COST, $2000

ALTERATIONS
(232) NO. 21 POWELL ST. Alterations to store front and office quarters
Owner—Marx Bros., Bush and Montgomery, San Francisco.
Architect—None.
Contractor—Fink & Schindler Co., 228 13th St., San Francisco.
COST, $1700

DWELLING
(233) E SEVENTEENTH AVE. 250 S Cabrillo. One-story and basement frame dwelling.
Owner—E. A. Janssen, 802 Hearst Bldg., San Francisco.
Architect—None.
COST, $3950

RESIDENCE
(234) LOT 71, SEA CLIFF, Sea Cliff Ave. Two-story and basement frame residence.
Owner—Dr. Aaron S. Green, Shreve Bldg., San Francisco.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—Taylor & Goericke, Sharon Bdg., San Francisco.
COST, $22,000

RESIDENCE
(235) LOT 70, SEA CLIFF, Sea Cliff Ave. Two-story and basement frame residence.
Owner—Louis D. Green, Shreve Bldg., San Francisco.


# Permutit

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## The Water-Softening FILTER

Makes the Hardest Water Absolutely Soft for Your Home.

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**San Francisco Phone—Doug. 1539.**

Pacific Coast Offices:

**484 Wright-Callender Bldg. Los Angeles**
**229 Sheldon Bldg., San Francisco, Calif.**


Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—Taylor & Goericke, Sharon Bldg., San Francisco.
COST, $23,000

FLATS AND STORE
(236) W GOUGH 30 S Oak. Two-story frame (2) flats and store
Owner—Walter S. Goldberg, room 19, 320 Market, San Francisco
Architect—H. C. Baumann, 251 Kearny, San Francisco.
COST, $4975

ALTERATIONS & ADDITIONS
(237) N WASHINGTON 60 E Mason. General alterations and additions for dwelling.
Owner—Egidio Simorini, Premises.
Architect—C. Fantoni, 550 Montgomery, San Francisco.
COST, $800

**RECORDED**

ADDITIONAL CONCRETE WORK, ETC
(238) W MISSION 263-0¾ S 29th S 66-2 W 74 S 42-9 W 25-9 S 14 10 W 60-3 N 123-9 E 160 and strips 8 feet wide on E and N. Additional concrete, carpentry and mill work as per revised drawings and specifications dated Dec. 31, 1919, for theatre building.
Owner—Stephen Mariani, 2881 23rd St San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor—G. B. Pasqualetti, 32 Harwood St., San Francisco.
Filed Jan. 28, '20. Dated Dec. 27, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST $1280

Bond, $640. Sureties, M. C. Bricca and A. Lajolo. Limit, as required. Forfeit, $20. Plans and specifications filed.

(239) FABRICATION AND ERECTION of additional steel on above.
Contractor—Golden Gate Iron Works, 1541 Howard St., San Francisco.
Filed Jan. 28, '20. Dated Dec. 31, '19.
Payments same as above.....
TOTAL COST, $1617
Bond, none. Limit, as required. Forfeit, $25. Plans and specifications filed

**PERMITS.**

FRAME DWELLING
(240) NE BALBOA AND THIRTY-second Ave. One-story and basement frame dwelling.
Owner—Geo. J. Becker and G. E. Bertran, Clement and 6th Ave., S. F.
Architect—None.
Contractor—Meyer Bros., 2628 Anza St., San Francisco.
COST, $4160

FRAME DWELLING
(241) N BALBOA 25, 50, 75 and 100 E Thirty-second Ave. Four one-story and basement frame dwellings.
Owner—Geo. J. Becker and G. E. Bertran, Clement and 6th Ave., S. F.
Architect—None.
Contractor—Meyer Bros., 2628 Anza St., San Francisco.
COST, $3900 each

ALTERATIONS
(242) SE CHURCH AND MARKET. Altering saloon into barber shop and cigar stand, plumbing, plastering, etc.
Owner—Bouquet Cohn Cigar Co., Prem.
Architect—None.
Contractor—F. Anderson, 180 Jessie St., San Francisco.
COST, $2800

REPAIRS
(243) NO. 149 EDDY. Repair fire damage to present building; roofing, carpentry, painting, etc.
Owner—B. B. Hall Ass'n., 149 Eddy. San Francisco.
Architect—None.
Contractor—F. L. Hansen, 2000 Polk. San Francisco.
COST, $10,000

ALTERATIONS
(244) NO. 2211 MISSION. Alterations and changes for stores and salesrooms.
Owner—L. Licht, Premises.
Architect—None.
Contractor—W. E. Sherwood, 40 San Carlos Ave., San Francisco.
COST, $5000

ALTERATIONS
(245) NO. 17 POWELL. Alterations and interior changes for confectionery store and restaurant.
Owner—Fig'n Whistle Co., 130 Post, San Francisco.
Architect—A. S. Heineman, Monadnock Bldg., San Francisco and Los Angeles.
Contractor—A. S. Gough.
COST, $11,000

ALTERATIONS
(246) NO. 2475 SAN BRUNO AVE. Lower store to grade; construct foundation; remodeling building, etc.
Owner—I. Waissman, Premises.
Architect—None.
Contractor—Jas. R. Quinn, 2561 San Bruno Ave., San Francisco.
COST. $2000

DWELLINGS
(247) W TWENTY-SECOND AVE 225 and 282-6 S Lincoln Way. Two one-story and basement frame dwellings.
Owner—Oscar Heyman & Bro. 742 Market, San Francisco.
Architect—None.
Day's work.
COST, $1000 each

DWELLINGS
(248) W TWENTY-SIXTH AVE 252-6 280, 225 and 307-6 N Fulton. Four one-story and basement frame dwlgs.
Owner—Oscar Heyman & Bro., 742 Market, San Francisco.
Architect—None.
Day's work.
COST, $1000 each

**RECORDED.**

SERVICE STATION
(249) SE POST AND LARKIN. All work for one-story steel service station.
Owner—Associated Oil Co., Sharon Bldg., San Francisco.
Engineer—L. D. Jurs, Sharon Bldg., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.
Filed Jan. 29, '20. Dated Jan. 23, '20.
10 days after completion..... 75%
Usual 35 days..... 25%
TOTAL COST, $2289
Bond, $2200. Surety, New Amsterdam Casualty Co. Limit, forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 21, 1920 No. 154.

REPAIR SHOP
(250) S MISSION 225 W Eighth 35x80. All work except brick work for one-story brick repair shop.
Owner—N. Palidori.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Louis J. Cohn, Merchants National Bank Bldg., S. F.
Filed Jan. 29, '20. Dated Jan. 13, '20.
On completion of concrete foundations .....$496.75
Roof trusses set..... 993.75
Completed and accepted..... 993.75
Usual 35 days..... 993.75
TOTAL COST, $3975.00
Bond, $2000. Sureties, Geo. Cohn and Morris Black. Limit, 30 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 13, 1920 No. 86.

(251) BRICK WORK ON ABOVE.
Contractor—H. E. Drake, 180 Jessie St., San Francisco.
Filed Jan. 29, '20. Dated Jan. 12, '20.
Brick walls is sidewalk high...$1025
Roof trusses set on brick wall. 1025
Completed and accepted..... 1025
Usual 35 days..... 1025
TOTAL COST, $4100
Bond, $2050. Surety, Fidelity & Deposit Co. Limit, 25 days. Forfeit, none. Plans and specifications filed.

**PERMITS.**

ALTERATION
(252) SW ELLIS AND JONES. Install show window, erect T. & G. partition.
Owner—M. Filey, Premises.
Architect—None.
Contractor—Louis Kragen, 743 Gough, San Francisco.
COST, $500

ALTERATIONS
(253) NO 2047 FILLMORE. Changes and alterations for bakery, concrete floor, etc.
Owner—M. S. Eisner, 2107 California, San Francisco.
Architect—None.
Contractor—Boyver & Sons, 2107 California, San Francisco.
COST, $925

(254) NO. 831 MARKET. Addition to mezzanine floor, show windows, etc.
Owner—Marks Bros., Premises.
Architect—Bernard J. Joseph, 74 New Montgomery St., San Francisco.
COST, $9,500

ALTERATIONS
(255) GORE CORNER McALLISTER and Market. Alterations for cigar store.
Owner—United Cigar Co., 555 Howard St., San Francisco.
Architect—C. E. Jones, 555 Howard St., San Francisco.
Contractor—S. E. Brown, 1431 6th Ave., San Francisco.
COST, $3300

ALTERATION
(256) NO. 41 TURK. Install new store front.
Owner—Cypress Lawn Cemetery Association, 995 Market, San Francisco.
Architect—None.
Contractor—J. S. Malloch, 180 Jessie, San Francisco.
COST, $500

ALTERATION
(257) NO. 1100 THIRD ST. Changes and front, remove doors and windows.
Owner—James Gately, 703 Tennessee, San Francisco.
Architect—None.
Day's work.
COST, $500

ALTERATIONS
(258) SW SANCHEZ AND TWENTY-ninth Sts. Alterations and changes for butcher shop.
Owner—Mary A. Cronin, 403 29th, San Francisco.
Architect—None.
Contractor—J. Cronin, 403 29th, San Francisco.
COST, $2350

**RECORDED.**

STEAM HEATING SYSTEM
(259) CALIFORNIA AND FRONT. All work for steam heating system.
Owner—E. H. O'Brien, St. Francis Hotel, San Francisco.
Engineer—Maurice C. Couchot, 110 Sutter St., San Francisco.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed Jan. 30, '20. Dated Jan. 21, '20.
Payments—None given.
TOTAL COST, $3610
Bond, $1805. Sureties, New Amsterdam Casualty Co. Forfeit, none. Limit, 70 days. Plans and specifications filed.

STORE
(260) E FILLMORE 110 N Eddy N 27-6xE 100. All work for a one-story Class C store building.
Owner—Harold J. Schoenfeld, 2238 Pacific Ave., San Francisco.
Architect—Fred'k H. Meyer, Bankers' Investment Bldg., San Francisco.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.
Filed Jan. 30, '20. Dated Jan. 29, '20.
1st of each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $9965
Bond, $4982. Sureties, H. K. McKevitt and Jno. C. Quinlan. Forfeit, none. Limit, 60 days. Plans and specifications filed.
NOTE: Permit applied for today also.

GARAGE
(261) E FILLMORE 120 S Page E 140 S 10 E 25 S 50 W 165 N 60. All work except plumbing, painting and electric work for a one-story Class "C" garage building.
Owner—Aphra West.
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.
Contractor—W. C. Duncan and A. F. Mattock as W. C. Duncan & Co., Sharon Bldg., San Francisco.
Filed Jan. 30, '20. Dated Jan. 29, '20.
On 1st of each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $15,834
Bond, $7,917. Sureties, Peter Bradley and M. L. Kaufman. Forfeit, $10. Limit, 75 days. Plans and specifications filed.
NOTE: Permit reported Jan. 24, 1920, No. 183.

**PERMITS.**

ALTERATIONS
(262) NO. 181 O'FARRELL. Alterations and changes for present building.
Owner—Mrs. Louise Harvey, 2640 Steiner St., San Francisco.
Architect—Alfred Kuhn, 833 Market St., San Francisco.
Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.
COST, $3500

FRAME DWELLINGS
(263) W PLYMOUTH 38 and 78 N Wildwood. Two one-story and basement frame dwellings.
Owner—C. A. Hall, 1301 4th Ave., San Francisco.
Architect—None.
Day's work.
COST, $3000 each

ALTERATIONS
(264) NO. 143 THIRD. Alterations to rooming house.
Owner—Jos. Affelther, Premises.
Architect—None.
Contractor—Wm. Horstmeyer, 31 Ord, San Francisco.
COST, $1900

**RECORDED.**

FRAME RESIDENCE
(265) LOT 26 BLK 26 St. Francis Gardens. All work for two-story frame residence.
Owner—Estelle S. Joyce, Marquette Apts., 965 Geary St., San Farncisco.
Architect—None.
Contractor—Robert H. Kelly, 1138 Stanyan St., San Francisco.
Filed Jan. 31, '20. Dated Jan. 26, '20.
Enclosed .....$1700
Brown Coated ..... 1700
Completed and accepted..... 1700
Usual 35 days..... 1700
TOTAL COST. $6800
Bond, none. Limit, Apr. 26, 1920. For-

feit, none. Plans and specifications filed.
NOTE: Permit reported Jan. 14, 1920, No. 103.

CONCRETE WORK
(266) NO. 695 MARKET. Concrete work for store building.
Owner—J. T. Pechner, 244 Kearny St., San Francisco.
Architect—Morrow & Garren, Chronicle Bldg., San Francisco.
Contractor—Braas & Kuhn Co., 1916 Bryant St., San Francisco.
Filed Jan. 31, '20. Dated Jan. 31, '20.
Completed and accepted..... 75%
Usual 35 days..... 25%
COST for labor and materials, $4484 plus 10%.
Bond, none. Limit, 33 days after date of contract. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 23, 1920, No. 173.

## LEASES.

### San Francisco County.

Jan. 30, 1920—NO. 64-66 SIXTH. Ashcroft Estate Co to Jacob Rhode. 3 years. $5760. Extension Jan. 24, 1920, 3 years. $175 per month.
Jan. 30, 1920—NO. 234 O'FARRELL bet. Powell and Mason. C A Hooper & Co. to Jos Ruben. 4 years. $3600.
Jan. 30, 1920—E MISSION bet. 17th and 18th Sts.; No. 2141 Mission St. I D and F Klopstock to L Werner & Sons. 2 years. $1920.
Jan. 30, 1920—NO. 617 JACKSON S side bet. Grant Ave. and Kearny. George Behagle to Mary J White. 48 months. $4800.
Jan. 30, 1920—Contract dated Jan. 23, 1920, for building on Mission St. Lotta P Rossier with P P Quinn. Sureties F. J Reilly and J J Butler. Bond. $11,000.
Jan. 28, 1920—NW SUTTER & KEARNY Teresa Bell to Edwin W Joy. 7 years. $42,900.
Jan. 28, 1920—SE LARKIN & WASHington S 68-9xE 100. Arthur F Rousseau to Fred and Louise Rassmussen. 5 years. $57,000.
Jan. 28, 1920—E FILLMORE bet. Post and Sutter No. 1718 Fillmore. Marx Blum to Conrad Madaler and Andreas Tordsene. 5 years. $8340.
Jan. 29, 1920—NW EEDDY AND JONES 97-6x87-6. Charles and wife Laura Hirshfeld to James Gartland. 5 years. $63,420.
Jan. 29, 1920—NO. 1158 STANYAN. Mary J Taggard, T D and J F Barrie to M L Sternberger. 3 years. $27.50 per month.
Jan. 29, 1920—NO. 2466 THIRTY-fourth Ave E line bet. Taraval and Ulloa 100x120. Harry R Fee to R S McDonald. 1 year. $1200 and option to purchase.
Jan. 29, 1920—NO. 413 BARTLETT ST. Anna A Lytgins to Eugene Juchtzer and wife. 5 years. $600.
Jan. 29, 1920—NO. 630 PACIFIC ST. Irwin Griffith to Giose Pezella. 2 years. $2040.
Jan. 29, 1920—NO. 74 EDDY. Wm T and May Grimes to Wm P and Pearl Sanders. 2 years. $2400. Assigned Jan. 19, 1920 to Mrs. M. McMahon.
Jan. 31, 1920—NO. 3314 CLAY. Hattie B Weill to B Bamberger. 1 year. $65 per month and option to renew.
Jan. 31, 1920—NO. 7 TAYLOR W line bet. Golden Gate Ave. and Turk. Jacob Nickels and Bertha Pfau to Chris. Vicinich. 5 years. $14,100.
Jan. 31, 1920—SE SEVENTEENTH & Mission S 110xE 162-6. I I and B C Brown to Redlick Newman. 10 years. $——.
Jan. 31, 1920—NE TOWNSEND & RICH. L Wallace to United States of America. 9 years. $2400 per year.
Jan. 26, 1920—NO. 1120 JACKSON ST. Charles Baer to Maude B. Bunnell, widow; 5 years; $24,000.
Jan. 26, 1920.—NO. 115 MISSION. Ella O. Fitschen to Randall Elevator Door Control Co.; 36 months; $2,160.
Jan. 27, 1920—NE GEARY & FUNSTON Ave E 107-6xN 100. William S Wells Jr. Extr Estate Josephine M Johnson, decd. to Union Oil Co of California. 1 year. $720.

## NOTICE OF NON-LIABILITY.

### San Francisco County.

Jan. 31, 1920—SE FILLMORE AND Post S 25xE 80. Hamilton V and Carlton F Bryan and Florence Linda Corbet as to improvements on leased property.....

Jan. 27, 1920—SE MARKET 275 NE Sixth. City Investment Co New York & San Francisco Amusement Co (a corp.) as to improvements on leased property.....

## COMPLETION NOTICES

### San Francisco County

Jan. 24, 1920—W FORTY-SIXTH AV 250 N Fulton N 50xW 120. Axel R Larsen to whom it may concern .....Jan. 24, 1920
Jan. 24, 1920—LOT 3 and S ½ Lot 2 Blk 22, Forest Hill. Lloyd S Ackerman to J Prout.....Jan. 20, 1920
Jan. 26, 1920—W WEBSTER 100 S Grove S 37-6xW 137-6. Adeline Leopold to William M. Reedy.... .....Jan. 23, 1920
Jan. 26, 1920—SE TWENTY-SIXTH and Folsom. Cogswell Polytechnical College to McLeran & Peterson .....Jan. 15, 1920
Jan. 26, 1920—SE TWENTY-SIXTH and Folsom. Cogswell Polytechnical College to Scott Co..... ..... .....Jan. 12, 1920
Jan. 27, 1920—SW VAN NESS AVE & Sacramento S 60-4xW 100. Warbur Realty Co to Barrett & Hilp.... .....Jan. 22, 1920
Jan. 27, 1920—W FOURTEENTH AV 25 N Cabrillo N 49-6xW 102-6. Walter G Vodden to whom it may concern.....Jan. 29, 1919
Jan. 28, 1920—SW COR. LOT 15 BLK 70, South San Francisco Hd and R R Ass'n NE on div line Lots 14 and 15 and Lots 2 and 3 to on div line Lots 14 and 3 from fractional Lots A and B in Blk 1005 th along bdy line Lot 14 Blk 1004 th to NE 1st Ave being a line running from 1st Ave to 5th Ave E and S along curved line along to 5th Ave, extended NE to beg. Union Iron Works Dry Dock Co to San Francisco Bridge Co.....Jan. 27, 1920
Jan. 28, 1920—LOTS 17 AND 18 BLK 16, Crocker Bay Shore Tract. Amy Campen to Jas M Rich..Jan. 14, 1920
Jan. 28, 1920—LOTS 19, 20 AND 21 Blk 1. Oscar Heyman Bro. Sub West End Map 1. Knut Anderson to whom it may concern.Jan. 27, '20
Jan. 28, 1920—W POLK 30 S O'Farrell Louis D Stoff to whom it may concern.....Jan. 27, 1920
Jan. 30, 1920—W CARL 154 E Cole E 25xN 137-6. Francis Dakin to Jas Welsh..... .....Jan. 22, 1920
Jan. 30, 1920—NW WASHINGTON & Laurel W 82-6xN 100. C J Hillard to E.nll Hogberg.....Jan. 26, 1920
Jan. 30, 1920—LOT 4 BLK 3133, Westwood Park. W D Blair to Philip Grell.....Jan. 30, 1920
Jan. 30, 1920—W THIRTY-THIRD Ave 225 S Taraval S 50x120. Parkside Realty Co to Ernest Swanson. .....Jan. 30, 1920

## LIENS FILED.

### San Francisco County.

Jan. 28, 1920—N FILBERT 100 E Polk E 35xN 82-6. J Greenback vs Louise P Luce and Albert A Cook ..... .....$213

## GENE CLANCY WITH OLD MISSION CEMENT COMPANY.

Eugene Clancy is the latest addition to the sales force of the Old Mission Portland Cement Company. Clancy has a big following in this territory and will prove a business getter for the Old Mission people.

## TWO LONE VOTERS DECIDE $300,000 BOND ISSUE.

CLEVELAND, Ohio—Two lone voters in the Shaker Heights village school district passed a $300,000 bond issue at a special election held recently. No other voter braved the deep snows.

# BUILDING CONTRACTS

## Alameda County

| | | | |
|---|---|---|---|
| 4135 | Trahan | Vaughn | 3500 |
| 196 | Land | Land | 4750 |
| 197 | Loveless | Hansson | 2500 |
| 198 | Howard | Rose | 400 |
| 199 | Dycke | Sommarstrom | 1200 |
| 200 | Appledorn | Owner | 3500 |
| 201 | Norlin | Norlin | 3000 |
| 202 | Jeffress | Scott | 1077 |
| 203 | Brennan | Brennan | 2950 |
| 204 | Meyers | Smith | 3000 |
| 205 | Lewin | Pinkerton | 1500 |
| 206 | Cunningham | Corbett | 425 |
| 207 | Gilchrist | Crane | 1000 |
| 208 | Jamieson | Maddox | 400 |
| 209 | Cummings | Fallmer | 400 |
| 210 | Steele | Burrett | 6000 |
| 211 | Talmage | Jessup | 630 |
| 212 | Salmon | Salmon | 2500 |
| 213 | Noble | Noble | 3000 |
| 214 | Gardner | Barton | 400 |
| 215 | Hill | Young | 490 |
| 216 | Mazzini | Munster | 2400 |
| 217 | Elliott | Trammel | 23000 |
| 218 | Philadelphia | Kern | 1500 |
| 219 | Foy | Foy | 600 |
| 220 | Anderson | Anderson | 500 |
| 221 | Warner | Warner | 3250 |
| 222 | Warner | Warner | 3500 |
| 223 | Keller | MacGregor | 4000 |
| 224 | Piedm't Acad. | Norton | 3400 |
| 225 | Stolte | Stolte | 2990 |
| 226 | Chase | Chase | 450 |
| 227 | Pavert | Owner | 2995 |
| 228 | Cofer | Cofer | 2000 |
| 229 | Collier | Geary | 6000 |
| 230 | Proutfoot | Peterson | 8000 |
| 231 | Handy | McFadder | 1000 |
| 232 | Daneri | Bonassino | 450 |
| 233 | Marshall | Marshall | 3000 |
| 234 | Hotel St. Marks | Moe | 450 |
| 235 | Kiess | Kiess | 1500 |
| 236 | Malley | Owner | 7000 |
| 237 | Brauer | Owner | 1000 |
| 238 | Idora | Owner | 1000 |
| 239 | Long | Pfrang | 7000 |
| 240 | Novelty | Cox | 750 |
| 241 | Wallace | Hollenbeck | 4000 |
| 242 | Morrison | Morris | 9500 |
| 243 | Fibush | Schnebly | 593 |
| 244 | Long | Shrader | 5000 |
| 245 | Sunset | Fleischer | 1930 |
| 246 | Richardson | Rutherford | 5000 |
| 247 | Galbraith | Palmer | 14300 |
| 248 | Moise | Schwartz | 2475 |
| 249 | Safe Rlty | Peppin | 2400 |
| 250 | Cosmopolitan | Kopf | 12600 |

DWELLING
(196) N EVERETT AVE 355 E Park Blvd., Oakland. One-story 7-room dwelling.
Owner—Robert Land, 3203 Market St., Oakland.
Architect—None.
Day's work. COST, $4750

ADDITIONS
(197) NO. 924 MENDOCINO AVE., Berkeley. Add to dwelling.
Owner—Mr. Loveless, Premises.
Architect—None.
Contractor—Louis O. Hansson, 1409 Bonita Ave., Berkeley.
COST, $2500

GARAGE
(198) W DOVER 65 S 58th, Oakland. Garage.
Owner—Mrs. N. Howard.
Architect—None.
Contractor—M. A. Rose, 5801 Dover St., Oakland. COST, $400

ALTERATIONS
(199) NO. 3503 GROVE, Oakland. Alterations and additions.
Owner—Mattie E. Dycke.
Architect—None.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Oakland.
COST, $1200

ALTERATIONS
(200) NO. 470 SEVENTH, Oakland Alter saloon into restaurant.
Owner—C. A. Appledorn, 51 8th St. Oakland.
Architect—None.
Day's work. COST, $3500

DWELLING
(201) E EIGHTY-FOURTH AVE 80 N Olive, Oakland. One-story 5-room dwelling.
Owner—Rudolph Norlin, 2036 84th Ave., Oakland.
Architect—None.
Day's work. COST, $3000

FRAME DWELLING
(202) LOT 6 Elmwood Court, Berkeley All work for two-story 8-room frame dwelling.
Owner—A. G. Jeffress, London, Eng.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.
Contractor—G. A. Scott, 685 23rd St., Oakland.
Filed Jan. 26, '20. Dated Jan. 24, '20.

| | |
|---|---|
| Frame up | $2694 |
| Brown coated | 2694 |
| Completed and accepted | 2694 |
| Usual 35 days | 2695 |
| TOTAL COST | $10,777 |

Bond, $5400. Sureties, Carl T. Doell and C. M. MacGregor. Limit, 120 days. Forfeit, none. Plans and specifications filed.

DWELLING
(203) S HEARST AVE 115 S McGee Ave., Berkeley. One-story 5-room dwelling.
Owner—J. P. Brennan, 1519 Hearst Av., Berkeley.
Architect—None.
Day's work. COST, $2950

REPAIRS
(204) NOS. 2961-63 LINDEN AVE., Berkeley. Fire repairs.
Owner—Miss Meyers, Mill Valley.
Architect—None.
Contractor—Harry C. Smith, 2011 Francisco, Berkeley.
COST, $3000

GARAGE
(205) NO. 136 PARKSIDE DRIVE, Berkeley. Garage.
Owner—R. A. Lewin, Premises.
Architect—None.
Contractor—J. A. Pinkerton, 1931 Berryman, Berkeley.
COST, $1500

ALTERATIONS
(206) NO. 1205 BROADWAY, Oakland. Alterations.
Owner—Cunningham Inc., Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin, Oakland.
COST, $425

ALTERATIONS
(207) NO. 1220 CLAY, Oakland. Alterations.
Owner—G. G. Gilchrist, Premises.
Architect—None.
Contractor—W. S. Crane, 2625 35th Ave Oakland.
COST, $1000

ADDITION
(208) NO. 2812 FOURTEENTH AVE., Oakland. Additions and alterations.
Owner—Dr. E. Jamieson, 2143 9th Ave., Oakland.
Architect—None.
Contractor—E. J. Maddox, 3207 Bruce, Oakland.
COST, $400

ADDITION
(209) NO. 831 FIFTY-SIXTH, Oakland Addition.
Owner—Mrs. R. Cummings, Premises.
Architect—None.
Contractor—R. H. Fallmer, 880 47th, Oakland.
COST, $400

RESIDENCE
(210) GRAND AVE., Piedmont. Two-story frame residence.
Owner—Mrs. E. E. Stelle, 135 Hillside Ave., Oakland.
Architect—None.
Contractor—O. L. Burrett, 427 63rd, Oakland.
COST, $6000

GARAGE
(211) NO. 3525 TELEGRAPH AVE., Oakland. Garage.
Owner—Frank Talmage, Premises.
Architect—None.
Contractor—F. H. Jessup, 69 Echo Ave., Oakland.
COST, $630

DWELLING
(212) NW VOLTAIRE AND 107th Ave Oakland. One-story 4-room dwlg.
Owner—Mrs. G. E. Salmon, 565 63rd, Oakland.
Architect—None.
Contractor—G. L. Salmon, 565 63rd, Oakland. COST, $2500

DWELLING
(213) NO. 1367 BURBANK, Alameda. One-story 6-room dwelling.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, $3000

GARAGE
(214) NO. 2269 ENCINAL AVE., Alameda. Garage.
Owner—U. S. Gardner, Premises.
Architect—None.
Contractor—Chas. Burton, 3215 Garfield Ave., Alameda.
COST, $400

GARAGE
(215) NO 1254 HAWTHORNE SE., Alameda. Garage.
Owner—Mrs. L. K. Hill.
Architect—None.
Contractor—E. Young, Weimas, Cal.
COST, $430

ALTERATIONS
(216) NO. 1515 PARK ST., Alameda. Alterations.
Owner—L. Mazzini, Premises.
Architect—None.
Contractor—Munster & Bornholdt, 1530 Broderick, San Francisco.
COST, $2400

DWELLING, ETC.
(217) SW EUCALYPTUS ROAD AND Hillcrest, Berkeley. Two-story 10-room concrete dwelling and garage.
Owner—Mr. and Mrs. R. H. Elliott, 2730 Forest, Berkeley.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—Enoch Trammel, 854 54th, Oakland.
COST, $23,000

ADDITION
(218) SIXTH & GRAYSON, Berkeley. Addition.
Owner—Philadelphia Quartz Co., Prem.
Architect—None.
Contractor—Herbert F. Kern, 965 Indian Rock Ave., Berkeley.
COST, $1500

ALTERATIONS
(219) NO. 928 SANTA BARBARA RD., Berkeley. Alterations.
Owner—C. W. Foy, Premises.
Architect—None.
Day's work. COST, $600

ALTERATIONS
(220) NO. 9302 CHERRY, Oakland. Alterations.
Owner—Anderson & McCoy, Premises.
Architect—None.
Day's work. COST, $500

(221) E PARK BLVD. 35 N E-34th, Oakland. One-story 5-room dwlg.
Owner—S. A. Warner, 4606 Brookdale Ave., Oakland.
Architect—None.
Day's work. COST, $3250

DWELLING
(222) NE PARK BLVD. AND E-24th, Oakland. One-story 5-room dwelling
Owner—S. A. Warner, 4606 Brookdale Ave., Oakland.
Architect—None.
Day's work. COST, $3500

DWELLING
(223) S SANTA RAY 300 E Calmar Ave., Oakland. One-story 6-room dwelling.
Owner—M. J. Keller, 674 Mandana Blvd Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th, Oakland.
COST, $4000

PORTABLE HOUSE
(224) VISTA AND BONITA AVES., Piedmont. Portable house.
Owner—Piedmont Academy, 328 Hillside Ave., Piedmont.
Architect—None.
Contractor—J. D. Norton.
COST, $3400

DWELLING
(225) E WILSON AVE 200 S Hopkins St., Oakland. One-story 5-room dwlg.
Owner—F. C. Stolte, 3449 Laguna Ave., Oakland.
Architect—None.
Day's work. COST, $2990

ADDITION
(226) NO. 2608 MILVIA, Berkeley. Addition.
Owner—F. C. Chase, Premises.
Architect—None.
Day's work. COST, $450

STORE
(227) NE BLANCH AND EIGHTY-sixth Ave., Oakland. One-story store
Owner—R. J. Pavert, 2070 Auseon Ave., Oakland.
Architect—None.
Day's work. COST, $2995

DWELLING
(228) SW GLEN COURT & SEQUOIA Ave., Oakland. One-story 4-room dwelling.
Owner—J. E. Cofer, 416 Federal Bldg., Oakland.
Architect—None.
Day's work. COST, $2000

FRAME DWELLING
(229) JEROME AVE. near Cambridge Way, Piedmont. Two-story frame dwelling.
Owner—Albert N. Collier, Oakland City Hall.
Architect—None.
Contractor—L. G. Geary, 679 60th St., Oakland.
COST, $6000

DWELLING
(230) S LONDRIDGE ROAD 200 E Northvale Ave., Oakland. Two-story 7-room dwelling.
Owner—Mrs. William Proutfoot, 5752 Claremont Ave., Oakland.
Architect—None.
Contractor—Alfred Peterson, 3918 Linwood Ave., Oakland.
COST, $8000

ALTERATIONS
(231) NO. 5850 MARSHALL, Oakland. Alterations.
Owner—Handy Auto Lite Co.
Architect—None.
Contractor—J. McFadder.
COST, $1000

ALTERATIONS
(232) NO. 4523 GROVE. Oakland. Alterations.
Owner—M. Daneri, Premises.
Architect—None.
Contractor—Pio Benassino, 418 Avon, Oakland.
COST, $450

DWELLING
(233) E SIXTY-EIGHTH AVE 325 N Arthur, Oakland. One-story 5-room dwelling.
Owner—Marshall, McQuone & Dealey, 254 Bacon Bldg., Oakland.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
(234) NO. 390 TWELFTH, Oakland. Alterations.
Owner—Hotel St. Marks, 12th and Franklin, Oakland.
Architect—None.
Contractor—H. A. Moe, 527 43rd St., Oakland.
COST, $450

DWELLING
(235) NO. 1120 UNION, Oakland. One-story 3-room dwelling.
Owner—Mrs. Emily Kiess, Premises.
Architect—None.
Day's work. COST, $1500

DWELLING
(236) SE ARIMO AND WALLA VISTA Ave., Oakland. Two-story, 8-room dwelling.
Owner—F. T. Malley, 3001 Grove St., Oakland.
Architect—None.
Day's work. COST, $7,000

GARAGE
(237) NO. 818 ARLINGTON AVE., Oakland. Garage.
Owner—C. J. Brauer, Premises.
Architect—None.
Day's work. COST, $1000

ALTERATION
(238) FIFTY-SIXTH AND TELEgraph, Oakland. Alterations.
Owner—Idora Park Co., Premises.
Architect—None.
Day's work. COST, $1000

DWELLING
(239) N LAGUNITAS 300 W Perry St., Oakland. One-story 6-room dwelling.
Owner—A. V. Long, 1436 Franklin St., Oakland.
Architect—None.
Contractor—C. J. Pfrang, 480 Forest St., Oakland
COST, $7000

SHOP
(240) LOWELL AND SIXTY-FIRST Place, Oakland. One-story paint shop.
Owner—Novelty and Products Co.
Architect—None.
Contractor—E. G. Cox, Hotel Berkeley, Berkeley.
COST, $750

RESIDENCE
(241) MAGNOLIA AVE. NEAR EL Ceritos Ave., Piedmont, one and one-half story frame residence.
Owner—Mrs. J. V. Wallace.
Architect—None.
Contractor—G. B. Hollenbeck, 3516 Richmond Ave., Oakland.
COST, $4000

DWELLINGS
(242) W PARK BLVD 350 AND 470 S Everett, Oakland. Two one-story 6-room dwellings.
Owner—Wallace Morrison, 180 Kempton Ave., Oakland.
Architect—None.
Contractor—Solomon Morris, 1507 Harrison St., Oakland.
COST, $4750 each

ALTERATION
(243) SE TWENTIETH AND TELEgraph. Alteration.
Owner—J. Fibush.
Architect—None.
Contractor—Schnebly & Hostrawser, 64 Jackkson St., Oakland.
COST, $593

ALTERATION
(244) NO. 903 WASHINGTON ST., Oakland. Alteration to store.
Owner—Long's Market.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland.
COST, $5000

ALTERATION
(245) SW ADDISON AND SHAT tuck, Berkeley. Alter to store.
Owner—Sunset Hardware Co., Prem.
Architect—None.
Contractor—Chas. Fleischer, Shattuck and Addison, Berkeley.
COST, $1930

DWELLING
(246) E FRESNO 100 N Sonoma Ave., Berkeley. One-story 5-room dwlg.
Owner—Elizabeth M. Richardson, 3669 Adeline St., Emeryville.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Thomas Rutherford, 985 35th St., Oakland.
COST, $5000

APTS., AND STORES.
(247) W TELEGRAPH AVE. 160 N Haste, Berkeley. Five-story, 110-room Class C apartments and stores.
Owner—Dr. A. Galbraith, Central Bank Bldg., Oakland.
Architect—Clay N. Burrell, 1st National Bank Bldg., Oakland.
Contractor—Palmer & Peterson, Monadnock Bldg., San Francisco.
COST, $143,000

DWELLING
(248) LOT 3 OF L. H. Moise Tract, Eden Tp. All work for one-story 5-room dwelling.
Owner—L. H. Moise, 365 Market St., San Francisco.
Architect—None.
Contractor—C. S. Schwartz, Hayward.
Filed Jan. 31, '20. Dated Dec. 1, '19.
Ceiling joists in place..... ¼
Plastered ..... ¼
Carpenter work completed..... ¼
Usual 35 days..... ¼
TOTAL COST, $2475
Bond, none. Limit, 60 days from Dec. 1, 1919. Forfeit, none. Plans and specifications filed.

DWELLING
(249) LOT 22 BLK "D" Map Oakland Highland, Oakland. All work for one-story dwelling.
Owner—Safe Realty Co., Bacon Bldg., Oakland.
Architect—None.
Contractor—J. B. Peppin, San Leandro.
Filed Jan. 30, '20. Dated July 8, 1919.
Payments not given.....
TOTAL COST, not over $2400; contractor gets 10%.
Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

FRAME DWELLINGS
(250) (1) SE LINCOLN AVE and SW Wilbur SW 31.3 SE 90; (2) SE Lincoln Ave 31.3 SW Wilbur SW 36 SE 90; (3) SE Lincoln Ave 67.3 SW Wilbur SW 36 SE 90; (4) SE Lincoln Ave. 103.3 SW Wilbur SW 36 SE 90, Oakland. All work for four frame dwellings.
Owner—Cosmopolitan Mutual Building & Loan Association.
Architect—None.
Contractor—B. F. Kopf, 1015 82nd Ave., Oakland.
Filed Jan. 30, '20. Dated Jan. 20, '20.
Frames up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $12,600
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES

### Alameda County

Jan. 27, 1920—LOTS 6 AND 7, Oak Ridge, Berkeley. G A Mattern to Chas Stockholm & Sons. Jan. 14, 1920
Jan. 24, 1920—S PRINCE 565.23 from W line Claremont Ave W 40xS 110, ——. Anges A Carpenter to G F Estey .....Jan. 24, 1920
Jan. 27, 1920—**LOT 15 BLK 7 on Peralta Ave.**, Albany. C H Willmert to Charles A Haws.....Jan. 21, 1920
Jan. 28, 1920—E BROADWAY about 500 S Moss Ave 83x120, Okd. W M Greuner to whom it may concern .....Jan. 28, 1920
Jan. 28, 1920—LOT 15 Map San Antonio Court, San Leandro. Allen E Pelton to E Andersen and A Cordeiro.....Jan. 28, 1920
Jan. 28, 1920—LOT 2 Map Lake Shore Park Heights, Okd. J J Moyer to E A Spencer.....Jan. 25, 1920
Jan. 29, 1920—LOT 20 BLK 1, Highland Sbdvn Adams Point Ppty, Okd. John W Speyer to Edwin C Graff.....Jan. 5, 1920
Jan. 30, 1920—NW FIFTY-FIFTH & Whitney, Okd. J A Sullivan to H J Kopp.....Jan. 28, 1920
Jan. 30, 1920—LOTS 22 AND 23 BLK 2 Map No. 6 of Regents Park, Oakland Tp. Arthur F Robbin to H Reynolds.....Jan. 26, 1920

### LIENS FILED.

### Alameda County

Jan 24, 1920—NE E-TWENTY-FIRST 100 SE 11th Ave SE 50xNE 150, Okd. F M Dreisbach (Zenith Mill & Lumber Co) vs Mary Washburn .....$749.56
Jan. 28, 1920—S HARRISON AVE 140-6 W Broadway W 45-1¾ S 130 W 45-1¾ N 145, Ala. Barnes & Tibbitts Shipbuilding & Dry Dock Co vs Ellen E Goldstone and J Palding Edwards.....$629.52
Jan 29, 1920—NE E-TWENTY-FIRST 100 SE 11th Ave SE 50xNE150, Okd. W L Taylor vs Karl Schley and Mary Washburn .....$62.05
Jan. 30, 1920—W 35 FT OF S 94.50 ft. of lot 17, Blk "N," Map No. 2, Subdivision of Ptn Central Oakland Tract E Telegraph Ave., Oakland. H. H. Fowler vs. Chas. W. Lindquist .....$185.50

### BUILDING CONTRACTS.

#### Santa Clara County.

PLASTERING
CAMPUS OF STANFORD UNIVERsity, Palo Alto. All work for plasterresidence as per plans and specifications.
Owner—Mrs. Lou Henry Hoover, Palo Alto.
Architect—A. B. Clark, Palo Alto.
Contractor—T. D. Sexton, 2608 Market St., Oakland.
Filed Jan. 15, '20. Dated Jan. 13, '20.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $6531
Bond, $3265.50. Surety, Globe Indemnity Co. Limit, 50 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING
SECOND AND TAYLOR STS., San Jose. All work for frame dwelling with concrete foundation and shingle roof
Owner—Nicholas Silvestri, San Jose.
Architect—H. Krause, 130 S-First St., San Jose.
Contractor—Charles F. Keesling, 361 Coe Ave., San Jose.
Filed Jan. 24, '20. Dater Jan. 24, '20.
Frame up .....$1190
Brown coat plaster on..... 1190
Dwelling completed ..... 1190
**30 days after**..... 1190
TOTAL COST, $4760
Bond, $4760. Sureties, Geo. W. Dobson and G. L. Keesling. Limit, 90 days. Forfeit, $25 per day. Plans and specifications filed.

ALTERATIONS
NO. 49 S-FOURTEENTH ST., San Jose. Alterations.
Owner—L. E. Wood.
Architect—Chas. McKenzie, 511 Bank of San Jose Bldg., San Jose.
Contractor—Jas. Perkins, 1652 E-Santa Clara St., San Jose.
COST, $5000

COTTAGE
SECOND AND TAYLOR STS., San Jose. Cottage.
Owner—Nicholas Sylvester, 639 N-2nd St., San Jose.
Architect—None.
Contractor—C. F. Keesling, 631 Coe St., San Jose.
COST, $4760

### LIENS FILED.

#### Santa Clara County.

Recorded Amount
Jan. 17, 1920—McKEE ROAD near San Jose. W S Bradshaw vs Peter Bennett .....$219

### COMPLETION NOTICES.

#### Santa Clara County.

Recorded Accepted
Jan. 17, 1920—STEVENS CREEK Road near San Jose. D Di Flore to J B Lamb.....Jan. 12, 1920
Jan. 17, 1920—FOURTEENTH AND San Carlos Sts., San Jose. Louise S Plummer to J E Perkins..... .....Jan. 8, 1920
Jan. 19, 1920—EIGHTH AND Williams Sts., San Jose. Eunice Sellner to S N Arnold.....Jan. 12, 1920
Jan. 21, 1920—SUNNYVALE. Inah A Andrus to Joseph Swain..Jan. 16, '20
Jan. 24, 1920—NAGLEE TERRACE, San Jose. F B Gilger to whom it may concern.....Jan. 20, 1920
Jan. 24, 1920—NAGLEE TERRACE, San Jose. F B Gilger to whom it may concern.....Jan. 21, 1920

### BUILDING CONTRACTS

#### Fresno County.

DWELLING
NO. 455 HOWARD ST., Fresno. Frame dwelling and garage.
Owner—Dow & Co.
Architect—None.
Contractor—G. C. Cannon, 2039 Fresno St., Fresno.
COST, $4000

DWELLING
LOT 1 BLK 5, Cedar Park, Fresno. Frame dwelling and garage.
Owner—C. C. Russell, 3417 Lowe St., Fresno.
Architect—None.
Day's work. COST, $4900

FACTORY
LOTS 9 AND 10 BLK 2, Dean Addition, Fresno. Concrete factory.
Owner—K. Tellolan.
Architect—None.
Contractor—Carl Hovsepian, 640 "L" St., Fresno.
COST, $3300

DWELLING
LOT 3 BLK 2, Hazelwood, Fresno. Frame dwelling and garage.
Owner—Thos. Montgomery, 274 Thesta St., Fresno.
Architect—None.
Day's work. COST, $3500

DWELLING
LOT 37 BLK 35, Belmont Addition, Fresno. Frame dwelling and garage
Owner—B. Ziegler.
Architect—None.
Contractor—Fisher & McNulty.
COST, $3500

FRAME DWELLING
LOT 17 E ½ of Lot 18 Blk 12, Fresno. Frame dwelling.
Owner—Peter Steinhauser.
Architect—None.
Day's work. COST, $3000

BASEMENT STORE
LOTS 25, 26 AND 27 BLK 80, Fresno. Build basement in store.
Owner—C. Brock.
Architect—None.
Contractor—Anton Johnson, 835 Harrison St., Fresno.
COST, $5500

FRAME DWELLING
LOT 13 BLK 36, Alta Vista Tct, Fresno. Frame dwelling and garage.
Owner—John Sears, 2327 White St., Fresno.
Architect—None.
Contractor—H. A. Kemp.
COST, $4000

DWELLING AND GARAGE
NO. 347 PARK AVE., Fresno. Frame dwelling and garage.
Owner—Carl Anderson, 661 "I" St., Fresno.
Architect—None.
Contractor—L. J. Berg, 835 "J" St., Fresno. COST, $2900

ADDITION
"H" AND MONTEREY STS., Fresno. Addition.
Owner—Fresno Planing Mill, Premises.
Architect—None.
Contractor—R. C. Blackwell, 202 Trust Co. Bldg., Fresno.
COST, $1000

DWELLING
W 50 FT. LOT 10 BLK 13, Hazelwood, Fresno. Dwelling and garage.
Owner—Reese & Atkins, 3643 Platt St., Fresno.
Architect—None.
Day's work. COST, $3500

DWELLING
LOTS 2 AND 3 BLK 2, Pierce & Anderson Addition, Fresno. Dwelling and garage.
Owner—Ewing & Meux, 1929 Fresno St., Fresno.
Architect—None.
Contractor—Reese & Atkins, 3643 Platt St., Fresno.
COST, $3000

DWELLING
LOT 15 Alta Vista Tract, Fresno. Dwelling and garage.
Owner—A. B. McConnell, 304 Griffith-McKenzie Bldg., Fresno.
Architect—None.
Contractor—J. L. Carter.
COST, $6000

DWELLING
LOTS 1 AND 2 BLK 31, Fresno. Dwelling.
Owner—I. Arakawa.
Architect—None.
Day's work. COST, $4500

GARAGE
PTN. LOTS 38, 39 AND 40, North Park Addition, Fresno. Garage.
Owner—G. Christopher, 1841 Tulare St., Fresno.
Architect—None.
Contractor—Shorb & Neads, 127 Fresno Ave., Fresno.
COST, $1100

## COMPLETION NOTICE.

### Fresno County.

Recorded Accepted
Jan. 24, 1920—LOT 19 W 10 FT OF lot 18, block 8, College Add, Fresno. W. R. Tufts to whom it may concern .....Jan. 22, 1920
Jan. 27, 1920—S 110 FEET LOT 1, A. Glunz Tract, also Lots 1 to 4, same tract, Fresno. H M Dart to whom it may concern.....Jan. 26, 1920
Jan. 27, 1920—EUCALO STATION on the C. C. T. line, 3 miles SE of Lodi. W C Brown to L S Peletz... .....Jan. 6, 1920
Jan. 29, 1920—LOT 8 BLK 17 Wilson North Fresno Tract, Fresno. H T Humphreys to whom it may concern .....Jan. 26, 1920

## BUILDING CONTRACTS.

### Sacramento County.

RESIDENCE
NO. 1349 FORTY-FIRST ST., Sacramento. Two-story 6-room frame residence.
Owner—E. C. Hemmings, 1203 "J" St., Sacramento.
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.
Contractor—E. A. Corum, 2533 Portola Way, Sacramento.
COST, $5900

RESIDENCE
NO. 1112 FORTY-SECOND ST., Sacramento. Frame and plaster residence
Owner—J. J. Jennings, 2921 "V" St., Sacramento.
Architect—None.
Contractor—E. A. Corum, 2533 Portola Way, Sacramento.
COST, $5500

RESIDENCE
NO. 1001 FORTY-SECOND ST., Sacramento. Frame and plaster residence
Owner—Minnie Foglesang.
Architect—None.
Contractor—E. A. Corum, 2533 Portola Way, Sacramento.
COST, $6800

REPAIRS
NO. 1926 ELEVENTH ST., Sacramento. Repair fire damage to buildings.
Owner—M. Balliel.
Architect—None.
Contractor—E. W. Book, 2912 "G" St., Sacramento. COST, $1600

CIGAR STORE
NO. 930 "K" ST., Sacramento. Cigar store.
Owner—F. E. Butler, Premises.
Architect—None.
Contractor—Wm. Murcell, Ochsner Bldg., Sacramento.
Filed Jan. 23, '20. Dated Jan. 23, '20.
COST, $4946

NO. 611 "G" ST., Sacramento. Platform and hang awning.
Owner—California Packing Co., Prem.
Architect—None.
Contractor—E. Thomas, 2021 24th St., Sacramento.
COST, $1845

WAREHOUSE
NO. 208 THIRTEENTH ST., Sacramento Warehouse.
Owner—Smith-Frank Packing Co., 12th and B Sts., Sacramento.
Architect—None.
Contractor—I. C. Boss, 914 27th St., Sacramento.
COST, $8000

ALTERATIONS
NO. 610 "K" ST., Sacramento. Remodel 2nd floor of store.
Owner—W. Gerber, 1424 N St., Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento.
COST, $10,000

RESIDENCE
NO. 320 THIRTY-THIRD ST., Sacramento. One-story 5-room frame residence and garage.
Owner—Barton & Norton.
Architect—None.
Contractor—L. G. Barton.
COST, $3600

BUNKS
ON NORTH SACRAMENTO ST., bet. Miner Ave. and Channel St., Sacramento. Bunks.
Owner—Southern Pacific Co., 801 "K" St., Sacramento.
Architect—None.
Day's work. COST, $5000

## BUILDING CONTRACTS.

### San Joaquin County.

ALTERATIONS
SOUTH CENTER ST., bet. Jackson and Jefferson, Stockton. Remodel dwlg.
Owner—J. J. Brennan, 1147 S-Center St., Stockton.
Architect—None.
Day's work. COST, $1000

REMODEL
WASHINGTON AND AURORA STS., Stockton. Remodel.
Owner—Hedges-Buck Co., 202 S-Aurora, Stockton.
Architect—None.
Day's work. COST, $13,000

DWELLING
STANISLAUS AND THIRD STS., Stockton. Frame dwelling and garage.
Owner—C. Olsen, 2221 S-Stanislaus St., Stockton.
Architect—None.
Day's work. COST, $2800

DWELLING
S-SAN JOAQUIN ST., bet. South and First Sts., Stockton. Frame dwelling and garage.
Owner—C. Olsen, 2221 S-Stanislaus St., Stockton.
Architect—None.
Day's work. COST, $2300

DWELLING
S-AMERICAN ST., bet. Fourth and Fifth Sts., Stockton. Frame dwelling and garage.
Owner—C. Olsen, 2221 S-Stanislaus St., Stockton.
Architect—None.
Day's work. COST, $4900

DWELLING
GRANT AND FOURTH STS., Stockton Frame dwelling and garage.
Owner—C. Olsen, 2221 S-Stanislaus St., Stockton.
Architect—None.
Day's work. COST, $2800

DWELLING
E-EIGHTH ST., bet. San Joaquin and Sutter Sts., Stockton. Frame dwelling and garage.
Owner—C. Olsen, 2221 S-Stanislaus St., Stockton.
Architect—None.
Day's work. COST, $2800

FRAME DWELLINGS
LOTS 6 AND 7 BLK 1, Bungalow Park, Stockton. Two frame dwellings.
Architect—None.
Owner—Stockton Home & Investment Company.
Contractor—T. E. Williamson, 1055 N-Pilgrim St., Stockton.
Filed Jan. 27, '20. Dated Jan. 20, '20.
Limit, 40 days. COST, $2778 each

## LIENS FILED.

### San Joaquin County.

Recorded Amount
Jan. 29, 1920—LOT 1 BLK 29 E of Center St., Stockton. Willard Hardware Co vs Joseph Bisagno, Lee Yum, Clarence W Beck, W C Ramsey and T F Emerson....$153.44

## NOTICE OF NON-RESPONSIBILITY.

### San Joaquin County.

Jan. 22, 1920—Central Pacific Railway Company to F. D. Boese—Notice dated Jan. 17, 1920, that said company will not be responsible for construction work done at request of F. D. Boese on lots 13 and 14 in block 224, east of Center street, city of Stockton.

## BUILDING COSTS WILL STAY HIGH.

### Contractor Talks at State Realty Conclave.

### Percy J. Walker Places Part Blame for Prices Upon Labor Conditions.

Building costs because of high prices for materials and the rising cost of labor will not decrease for the next three years, declared Percy J. Walker, building contractor, at the opening session of the fifteenth annual convention of the California Real Estate Association at the Palace Hotel.

"I can see no relief in the present high prices for at least three years," said Walker. "The lumber supply is

short and there are no reserves. Hardware is not only high but hard to obtain. Orders are filled only after delays.

"Then there is the labor problem. Not only is labor high, but the unions have become so strong that the workman no longer turns out the same amount of work. Production is continually falling off per man. As an employer of large numbers of men I am a firm believer in unions, they have done much good, but it has come to the point where the unions have become so powerful that a reaction is bound to set in. The average workman does not try to produce the maximum, he is contented to perform only what represents a minimum output.

More than four hundred delegates from all parts of California attended. W. L. Hollingworth, vice-president and Western representative National Association of Real Estate Boards, was unable to attend because of illness in his family.

## SAFETY FIRST PAYS THE MOTORIST.

A passenger train approaching at full speed and still a quarter of a mile away will cover the remaining distance in 18 seconds; if half a mile away, it will flash past in 36 seconds.

These figures are offered by R. J. Clancy, safety specialist of the Southern Pacific, to impress upon motorists the significance of attempting to cross railroad tracks with a train in sight.

"Motorists should think in terms of time as well as distance. It requires a wait of only a fraction of a minute to permit a train to pass. On the other hand 18 seconds allows too small a margin to escape an accident if in shifting gears the engine stops or anything goes wrong.

"Forty-six people were killed, 173 people were injured and 152 automobiles damaged or destroyed at grade crossings during the calender year just closed. Of these, 73 stalled on the crossing and were struck by trains; 263 attempted to cross almost immediately in front of an approaching train; 137, or more than 25 per cent of the total, ran into trains instead of trains into them; 9 skidded into cars or trains in attempting to avoid collision after realizing the danger; 31 ran into and broke down crossing gates lowered to protect them from passing trains; 5 ran down and injured flagmen in warning position; 14 were due to miscellaneous causes."

Inexperience of drivers rather than deliberate recklessness is the principal cause of such accidents in Clancy's estimation.

## FAR EASTERN TRADE NOTES.

[Prepared by Far Eastern Division, Bureau of Foreign and Domestic Commerce, to which refer for fuller particulars. The district and co-operative offices have reserve information where reference number is given.]

### Manufacture of Wire and Nails in Newcastle, Australia.

A factory in Newcastle, Australia, is increasing its facilities for the production of various kinds of wire and nails. It has an output of 200 tons of plain wire, 50 tons of nails, and 25 tons of barbed wire per day, and expects soon to be able to meet the demands of Australia. (Refer to file No. FE-72.)

### Market in New Zealand for Scoop Conveyors.

There is said to be a critical shortage of coal in New Zealand at the present time, and a ready market could be found for any device which would help increase the coal output, such as the scoop conveyor. Coal conveyors enter New Zealand subject to a 30 per cent duty from all countries except the United Kingdom and possessions, from which a duty of 20 per cent is paid, and a 1 per cent war tax collected on all imports.

## LATIN AMERICAN TRADE NOTES.

[File numbers cited refer to reserved information or trade lists, which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or co-operative offices.]

### Present Market for Electrical Apparatus in Lima, Peru.

All kinds of electrical apparatus is being used for application to mining machinery and small lighting plants in Lima, Peru. Moreover, considerable building construction is under way at the present time necessitating electrical appliances. Open wiring, plain receptacles, few shades, and very little conduit meet the requirements. The local market for modern electrical household appliances and industrial plant labor-saving devices is still somewhat limited owing to the lack of education concerning the appliances and to the relative cheap labor available. (Refer to File No. 10008 for concerns interested in electrical apparatus.)

## INSURANCE CONCERNS FILE.

SACRAMENTO—Five insurance companies, having a total capital stock of $2,172,000, have filed articles of incorporation with the Secretary of State as follows; North Atlantic Insurance Company of New York, capital stock $250,000; Liberty Marine Insurance Company of New York, capital stock $250,000; Jefferson Insurance Company of Pennsylvania, capital stock $400,000; Commerce Insurance Company of New York, capital stock $200,000, and the Norwegian Atlas Company of Norway, capital stock $1,072,000.

## EXPORTS AND IMPORTS DROP.

December exports decreased in value $60,000,000 from the $741,000,000 record of November, while imports dropped to $381,000,000, a decrease of $44,000,000 according to a statement by the Commerce Department.

The excess of exports over imports for the entire year 1919 reached $4,017,000,000, a high record. Exports totaled $7,921,000,000, with imports amounting to $3,904,000,000, compared with 1918, exports of $6,149,000,000 and imports of $3,031,000,000.

Gold imports amounted to $77,000,000 compared with $62,000,000 in 1918, while gold exports jumped to $368,000,000 from $41,000,000 in 1918.

## CITY MANAGER PLAN OLD, SAYS DOUGLASS.

BERKELEY, Cal.—That the city manager plan of municipal government is not a new idea, but merely the "dressing up" of an old plan of administration, is the statement of Dr. J. R. Douglass of the political science department of the University of California.

"The city manager plan," he said today, "is the same in operation and in organization as the old and tried 'board type' of administration. The addition of new titles for the officers in the plan and other minor changes have caused many students of political science to believe that the city manager plan is a new idea in administration. It is in reality but a new application of the 'board type' of executive."

## PLAN 21-STORY CHURCH.

NEW YORK.—The Fifth Church of Christ, Scientist, New York city, will soon erect one of the most unique and expensive church edifices in America. The auditorium of this church will be part of a 21-story skyscraper which is to be erected on Madison avenue in the block between 43rd and 44th streets.

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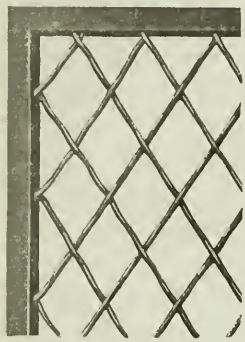

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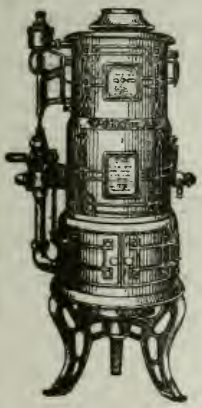

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**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

Chapter Office 700 Marston Building 244 Kearny St., San Francisco

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J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEAD-QUARTERS.

Engineers in Kentucky, Ohio and West Virginia have recently taken action to bring much nearer the enactment of a license law in each state.

The legislature of Kentucky is reported favorable to a license bill recently introduced under the auspices of A. A. E. members in Louisville. The bill is patterned after the Michigan law. At the recent meeting of the Ohio Engineering Society steps were taken to organize the engineers of the state to insure agreement among them on the desirability of a license law and to bring their influence on the next legislature.

The Ohio Engineering Society will appropriate a sum of money to start the campaign. The American Association of Engineers has agreed to appropriate an equal sum for license work in Ohio as soon as the Ohio Society announces the amount. The recently formed State Assembly of A. A. E. and O. E. S. will co-operate fully in putting the license bill across. A joint committee of the two organizations will be appointed to map out a program and carry it through.

At a joint meeting of the West Virginia Engineers' Association and the Charleston Chapter of A. A. E. in Charleston on January 23, licensing was discussed by Secretary Drayer of A. A. E. who recommended, with minor changes, the registration bill proposed by engineering council. After a lively discussion, a vote was taken showing the sentiment unanimous in favor of a license law in West Virginia. A motion was passed empowering the presidents of the West Virginia Engineers' Association and the Charleston Chapter to appoint a joint committee to prepare a bill for passage by the legislature which meets in 1921. A plan was outlined for interviewing every candidate for the legislature and for governor. Organization of the state will be by legislative districts.

### Fortnightly Engineering Service Review.

Resumption of activities in the engineering field as viewed by the service department of A. A. E., has come quickly in various quarters where a year-end pause has been witnessed, and existing conditions differ sharply from those of last year when hesitation was nearly everywhere manifest. This condition is bringing about a situation of acute demand for technical service, which it is safe to say is without precedent. In order that contracts can be completed or even started, and in order that the enormous amount of necessary designs for new construction for enlargements of many existing plants and for the maintenance of plants now in operation to cope with the present-day industrial expansion, the lack and urgent need of professional engineers is extremely serious.

It is this situation, which is as evident in the West and South as in the East, that is gaining for the technical engineer that just recognition, not only in point of remuneration but for the professional services which he renders. Never before has there been such a predominance of favorable features for the engineer. The demand is greater than the supply can hope to equal. This is making it necessary for the employer to resort to outbidding his competitors in order to increase his staff. As a result remuneration for technical engineers is through necessity increased in most quarters.

The greatest demand at present is for experienced designers and draftsmen on structural steel and reinforced concrete. Many calls are received for architectural draftsmen, mostly for industrial work. A great amount of construction work will be started soon which will result in the need of many engineers of construction experience, who, during the winter months, have in many cases been working along other lines. Engineers of mechanical and electrical experience are in demand, particularly graduates who are competent in theoretical calculations. There is a great need for editorial men and instructors in our engineering institutions, also research, promotional, and productive engineers.

From a wide variety of sources covering the entire country, the average salaries paid to engineers are as follows: Tracers, $125 per month; detailers, structural, mechanical and electrical, $175 to $200; a few companies paying up to $225 per month for experienced men; designers on all classes of work, $250 a month and up; esimators and checkers, $300 per month; rodmen and levelmen, $125 to $150 a month; instrumentmen, $175 to $200 a month; assistant engineers, $200 and up per month; map draftsmen, $200 a month; surveyors, $175 per month; research engineers, $275 per month and up. The salaries of engineers who have reached the executive class depends entirely upon the specific organizations with which they are connected. The salaries of production engineers, chief draftsmen, chief engineers, and superintendents of construction range anywhere from $3,000 to $15,000 per annum and more in the large corporations.

The program for the expenditure of almost a billion dollars on highway construction during the current year will result in the need of many engineers for highway work. Information, as a result of canvass of state highway engineers, indicates that at the most conservative estimate, no less than 5,000 engineers will be needed in 1920 to carry out this program. Appointments are usually made first as junior highway engineers, which salaries range from $175 to $200 a month, depending upon the state. Promotions to positions of greater responsibility in highway departments are usually made through civil service from men already on the staff. However, in a few states appointment to position of resident engineers, assistant engineers, and inspectors are made direct by application.

A meeting was held in Washington on January 22 by representatives from the railroad sections of the American Association of Engineers in the eastern region of the United States Railroad Administration. The delegates listened to a report which had been prepared showing discrepancies in salaries of railroad professional engineers in the eastern region, and presented this report, after its approval, to the Director General of Railroads. A committee was organized to meet monthly and discuss the progress of plans which are now under way for a more equitable adjustment of salaries before the railroads are returned to private control.

The conference was participated in by representatives from thirty-six railroads in the eastern region. Twenty-four railroads, representing 21,984 miles, or 63.6 per cent of the eastern region mileage, submitted data showing for practically every man in engineering department, his name, address, present title, present salary, classification under the A. A. E. schedule, and the recommended salary determined by a small committee on each railroad. Additional data was presented by twelve other roads representing 12,335 miles of the eastern region.

The American Association of Engineers has obtained salary increases in all of the seven regions of the administration, but in some cases the ad-

justments made have not been equitable.

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The Engineers Club of Kansas City voted on January 27 to amalgamate with the American Association of Engineers as the Kansas City Chapter. The vote was 143 in favor to 38 against the amalgamation. A new constitution was adopted and officers were elected for 1920 as follows: Clark R. Mandigo, president; F. F. Schauer, vice-president; A. Penn Denton, 2nd vice-president; Forrest Kauffman, secretary; Wm. Bugg, treasurer, and W. A. Collings, Edmund Wilkes, Jr., and A. R. Young as members of the executive committee.

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The Oregon Chapter of the American Association of Engineers has obtained increases in the salaries of engineers employed by the Oregon State Highway Commission, which brings the salaries of these engineers up to the minimum salaries recommended by the association. This result is largely due to the effort of R. W. Barnes, secretary of the chapter.

This chapter is also obtaining constructive legislation at the present session of the Oregon legislature. An amendment to the existing registration law, which would practically nullify it by exempting mining engineers from the requirements of registration, was killed. This insures the continuance of the original provisions of the law. Legislation has been enacted which removes the limit of $5,000 per year for the salary of the State Highway Engineer, and a bill amending the salary limit of County Surveyors throughout the State is expected to be passed before the present session is ended. The bill provides that the salaries of County Surveyors shall be fixed by the County Commissioners. The present compensation is $5 per day. The chapter has also introduced an act to provide a safety code for steam boilers which is quite likely to pass. This bill will create in reality a state industrial commission with jurisdiction over all of the questions of safety. W. H. Marsh is president of the chapter.

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The temporary president of the Ohio Assembly of the American Association of Engineers, which was recently organized to correlate the activities of the Association in Ohio, is F. D. Richards of Cleveland. Mr. Richards was formerly bridge engineer for the City of Cleveland and is now a member of the firm of Carter-Richards-Griffith Company. The temporary secretary is W. L. Martoon of Columbus.

A meeting of the assembly will be held in Columbus on February 28 at which the constitution will be drafted.

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The Joliet Chapter of the American Association of Engineers held its annual banquet and installation of officers at the Steel Works Club of Joliet on January 27. The principal addresses were delivered by Major C. L. Currier, of the Chicago Chapter, on "The Participation of Engineers on Civic Matters"; by National Secretary C. E. Drayer, on "A. A. E—Its Accomplishments and Its Future"; and by Captain E. J. Burke, manager of the Chicago Chapter. The officers of Joliet Chapter are: President, George O. With, city engineer; vice-presidents, Robert Bruce, highway engineer, and Harry Polkowski, construction engineer; secretary, Carson G. Jennings, of the Elgin, Joliet and Eastern Railway.

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The Chicago Chapter of the American Association of Engineers has endorsed Harold Almert as a candidate for chief engineer of the mayor's traction commission.

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Professor R. C. Terrell, acting director of the department of civil engineering of Oklahoma, will become state highway engineer, succeeding Max L. Cunningham, on February 1, 1920.

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F. H. Myers, formerly an assistant secretary of the American Association of Engineers, is associated with the Certain-teed Products Corporation as sales engineer. Mr. Myers has spent almost two years at the National Headquarters of the Association, much of which time was devoted to building up the employment service. Prior to his connection with A. A. E. Mr. Myers was with the Minneapolis and St. Louis Railway.

---

The new officers of the Detroit Chapter of the American Association of Engineers are: F. P. Sisson, president; J. S. Lillie, 1st vice-president; W. L. Gilson, 2nd vice-president; E. L. Brandt, secretary, and J. A. Southern, treasurer.

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D. A. Tomlinson, assistant secretary of the American Association of Engineers in charge of the railroad department, addressed the annual convention of the Kansas Engineering Society at Manhattan, Kansas, on January 20. His subject was "The American Association of Engineers and Its Work."

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President G. M. Butler, of the Southwestern District of the American Association of Engineers, addressed a meeting of engineers at Bisbee, Arizona, on January 22. After the meeting the Bisbee Chapter of A. A. E. was organized with about 75 members and applicants.

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L. B. Hitchcock, city engineer of Phoenix, Arizona, has been elected president of the Phoenix Chapter of the American Association of Engineers. D. A. McClung, assistant county engineer, is secretary.

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The Eastern Philipsburg, Pennsylvania Club was organized on January 9. The Allentown Chapter of A. A. E. was organized on January 8, with H. Bascum, city engineer, as temporary president.

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Editors of technical publications are requested to add to their list of convention dates the sixth annual convention of the American Association of Engineers, to be held at the Planters' Hotel in St. Louis on May 10 and 11.

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## NOTICE TO APPLICANTS BEFORE THE STATE WATER COMMISSION FOR PERMIT TO DIVERT WATER FROM THE SACRAMENTO RIVER SYSTEM.

The rapid increase in the use of water for irrigation from the Sacramento River and its tributaries, together with the prospect of an unusually low flow in these streams during the coming summer will probably result in serious shortage of water for irrigation during the latter part of the season.

A forecast of the probable supply available from stream flow cannot be made with accuracy because of the uncertainty; first, as to the amount of precipitation during the next few months; and second, as to the proportion of water diverted for irrigation which will return to the river. The probabilities are, however, that there will be period in late summer when there will be insufficient water for irrigated riparian lands and lands irrigated or to be irrigated under old appropriations or under permits already issued by the State Water Commission. In this connection it is to be noted that a number of projects diverting from the Sacramento River under permit from this office have not yet been brought to completion, and their full diverson was not made during 1919.

In view of this situation, you are herewith advised:

**First:** That all applications for diversion from the Sacramento River system in the Sacramento Valley received subsequent to July 1, 1919, will be temporarily withheld from action by this office, at least during the coming irrigation season, in order to determine what surplus, if any, is available for further appropriation.

**Second:** If it appears, as the season advances, that there will be insufficient water to satisfy all requirements, this office will place a representative on the Sacramento River system to regulate diversions of permittees with junior priorities. The priority of a permittee is established by the date his application was received and not by the date his permit was issued. It is believed, on the basis of present information, that no permittee will be affected whose application was received prior to September 1, 1918. The first application received subsequent to this date was No. 1074.

The necessity for this action by the Commission was made apparent by field investigation and a report submitted by one of its engineers February 2nd, 1920. The purpose of the action is threefold: First to warn applicants not yet under permit, or prospective applicants, as to the apparent situation, in order that proposed investments in increased acreage may not be lost due to failure to appreciate the possibility of water shortage; second, to protect vested water rights and prior rights by appropriation; third, to bring the facts to the attention of all water users in order that it will not be attempted to plant an acreage larger than that for which there is a water supply.

It is to be noted that most of the recent applications before this office on the Sacramento River have been made for the purpose of irrigating rice, and it is probable that if there is a shortage of water that this shortage will be felt first in the rice fields.

CHARLES H. LEE,
Executive Member of the State Water Commission.
Dated: February 3rd, 1920.

# ADVANCE NEWS
## Official Proposals, Etc.

# BUILDING.

## APARTMENT HOUSES

Contract Awarded.
APARTMENTS Cost, $——
SAN FRANCISCO. Geary St. bet. 1st and 2nd Avenues.
Two-story frame apartments.
Owner—Zellerbach-Levison Co.
Architects and Engineers—Rowell & Collins, 511 Claus Spreckels Bldg., San Francisco.
Contractor—Theo. S. Hoin, 1739 Washington St., San Francisco.

Bids in. Contract to be Awarded Shortly.
APARTMENTS Cost, $15,000
OAKLAND, Cal. Stanton Ave. near Belmont.
Two-story frame apartments (2 4-room and 1 6-room apts.)
Owner—Mrs. D. S. Ayers.
Architect—Wm. E. Milwain, Albany Block, Oakland.

Plans Being Figured.
ALTERATIONS Cost, $6,000
STOCKTON, San Joaquin Co., Cal.
Alter two-story frame building into (4) apartments.
Owner—Miss H. F. Haas.
Architect—Walter King, Call Bldg., San Francisco.

Contract Awarded. Work Started.
ALTERATIONS Cost, $12,000
EUREKA, Humboldt Co., Cal. Fourth and L Streets.
Alterations on two upper floors of three-story building for twelve apartments.
Owner—A. R. Abrahamson, 1411 Bay St., Eureka.
Architect—Not Given.
Contractor—Joseph Wolford, Eureka.

Plans Being Prepared.
APARTMENTS, ETC. Cost, $15,000
HAYWARD, Alameda Co., Cal. Corner "A" and Second Streets.
Two-story concrete stores and apartments.
Owner—Frank Zamberesky, 1920 "A" St., San Leandro.
Architect—Clyde S. Schwartz, 31 Maple St., Hayward.

Plans Being Prepared.
APARTMENTS Cost, $60,000
SAN FRANCISCO. O'Farrell Street.
Six-story and basement steel and reinforced concrete apartment house (36 2 and 3-room apts.)
Owner—Henry Wolf.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

## BANKS

Contract Awarded.
BANK BUILDING. Cost, $40,000
ANTIOCH, Contra Costa Co., Cal. Cor. Second and "H" Streets.
One-story reinforced concrete bank building.
Owner—Bank of Antioch.
Architects—Sweetser & Baldwin, Marsh-Strong Bldg., Los Angeles.
Contractor—G. H. Field & Co., Antioch.

Plans to be Figured.
BANK BLDG. Cost $300,000 or more.
SAN FRANCISCO. W Montgomery St. bet Pine and Sutter, adj. First National Bank Bldg.
Two and three-story and basement Class "A" bank and office building.
Owner—First Federal Trust Co. and First National Bank.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
NOTE:—The contract was previously awarded to J. E. Scully on a percentage basis. It has not been decided whether figures will be taken for a general contract or segregated contracts.
The steel contract has been awarded to The Central Iron Works on a tonnage basis.

## BONDS

DUNSMUIR, Siskiyou Co., Cal.—Bonds of $39,000 with which to finance construction of a new grammar school building were voted at a recent election. Woollett & Lamb, Phycisians' Bldg., Sacramento, are the architects.
In addition to the above issue an election will be held February 24th to vote on the question of issuing bonds of $24,000 with which to construct an addition to the local high school building.

HOLLISTER, San Benito Co., Cal.—Bids have been ordered received by the County Supervisors for the sale of the $15,000 bond issue of the Fairview School District. Proceeds of the sale will finance construction of a new school building.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees, J. J. Gill, City Clerk, have decided to call an election to decide the question of issuing bonds of $14,000 for sewer improvements.

MODESTO, Stanislaus Co., Cal.—Bids will be received by the County Supervisors, H. Benson, County Clerk, up to February 16th for the purchase of the $2,000 bond issue of the Washington School District. Proceeds of the sale will finance construction of a new school building.

BAKERSFIELD, Kern Co., Cal.—The $200,000 bonds voted for additions to the Kern County Union High Schol were sold to the Citizens National Bank of Los Angeles at a premium of $5,030. On March 1 the Supervisors will sell $15,000 bonds of the Pershing School District, $6,000 bonds of the Arvin School District, and $26,000 bonds of the McFarland School District. Proceedings for an election in the Midway School District to vote on issuing $30,000 bonds were approved.

MODESTO, Stanislaus Co., Cal.—Steps are being taken by the local Chamber of Commerce urging the City Council to call a bond election to finance the following projects:
Purchase of fair grounds site; aviation field, and laying out of a new park to be known as Dry Creek Park.

SAN LEANDRO, Alameda Co., Cal.—A bond issue for $46,500 with which to finance the following improvements will probably be called in April by the City Trustees:
$11,000 for the purchase of a new fire truck; $15,000 for the installation of a fire alarm system; $10,000 for a storm sewer on Alvarado street and $10,500 for the purchase of land suitable for a City Hall site.
Preliminaries for calling the election are now being worked out by Harris P. Jones, City Attorney.

SAN JUSTO, San Benito Co., Cal.—Preparations are being made to call a bond election in the San Justo School District with which to secure $22,000 for the erection of a new school building.
Preliminary sketches for the structure have been prepared by Architect W. H. Weeks, 75 Post St., San Francisco, and provide a building with two classrooms and auditorium of frame construction with a brick exterior.
W. J. Cagney is County Superintendent of Schools.

WILLOWS, Glenn Co., Cal.—February 25th is the date set to decide the question of issuing and selling bonds of $123,000 with which to finance construction of a new grammar school building, preliminary plans for which are being prepared by Architect W. H. Weeks, 75 Post St., San Francisco.

REDWOOD CITY, San Mateo Co., Cal.—The Redwood City Chamber of Commerce has adopted resolutions urging the City Trustees to call a bond election to secure funds with which to finance construction of a spur track to connect with the newly acquired municipal dock and warehouse at the foot of Main street. It is estimated the work will cost $20,000.

ORLAND, Glenn Co., Cal.—Bonds of $42,000 have been voted to finance construction of a new grammar school building. Only one vote was cast against the issue.

SANTA ROSA, Sonoma Co., Cal.—At the municipal election April 6th, a proposition will be submitted to the voters for voting bonds with which to finance construction and equipping two new elementary schools.
R. L. Thompson, Attorney, is assisting the Board of Education in the legal matters for the proposed election

DAIRYLAND SCHOOL DISTRICT, Madera Co., Cal.—An election will be held in the Dairyland School District February 27th to decide the question of issuing and selling bonds of $3,000 with which to finance construction of a new school building. Trustees of the district are:

L. C. Wills, Geo. Phillips and G. R. Campbell.

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BENICIA, Solano Co., Cal.—The City Trustees have decided to call an election to decide the question of issuing bonds of $80,000 with which to erect a community club house, children's playground and street improvements.

Sketches for the community hall have been prepared by the Engineering Department of the Benicia Arsenal.

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CALISTOGA, Napa Co., Cal.—A petition has been presented the Trustees of the Calistoga High School District asking that an election be called to decide the question of isuing and selling bonds with which to finance construction of a new high school building. The election held last Summer failed to receive the necessary two-thirds majority.

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CASTELLA, Shasta Co., Cal.—The $3,500 bond issue of the Castella School District has been sold and construction on a new school will be started in the near future.

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MARTINEZ, Contra Costa Co., Cal.—Bonds of $20,000 have been voted in the Lafayette School District to erect and equip a new school building.

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SACRAMENTO, Cal.—Bids will be received by the Board of Supervisors up to March 1st, 2 P. M., for the sale of $864,000 worth of Sacramento elementary school bonds and $76,000 worth of high school bonds. Failure to receive satisfactory bids will cause the sale of the bonds over the counter by the County Treasurer.

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LAKEPORT, Lake Co., Cal.—An election has been called by Minerva Ferguson, County Superintendent of Schools, to vote on the question of consolidating the Lakeport and Ashland School Districts into a Union High School District. Should the election carry a bond issue will be placed before the voters to secure funds with which to finance construction of a modern high school.

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TRACY, San Joaquin Co., Cal.—Bonds of $105,000 with which to finance improvement in the West Side Irrigation District have been sold by the Board of Directors.

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COLUSA, Colusa Co., Cal.—The City Trustees have sold the $20,000 (additional) bond issue with which to finance construction of a municipal swimming pool from plans prepared by Architect Edwin J. Symmes, 1700 Pearl St., Alameda. The structure will cost in the neighborhood of $38,000. The balance of the funds were secured through a bond issue voted some time ago. B. L. McCue is City Clerk.

## CHURCHES

Plans Approved
CHURCH Cost, $40,000
STOCKTON, San Joaquin Co., Cal. NW Miner Ave. and Sierra Nevada St.
Fireproof church building.
Owner—East Side Presbyterian Church
Architect—George S. Higby Long Beach, Cal.
The building committee is composed of A. B. Goldsmith, chairman; E. E. Holland, E. T. Oftedahl, J. H. Harrison and J. W. Parnell.
NOTE:—Funds to finance construction are now being secured.

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Plans Being Revised.
CHURCH Cost, $——
BAKERSFIELD, Kern Co., Cal. East Bakersfield.
Two-story brick and stucco church (18 classrooms, etc.)
Owner—Chesboro Memorial Methodist Episcopal Church.
Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

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Owner Taking Figures.
CHURCH Cost, $80,000
LODI, San Joaquin Co., Cal.
Brick and hollow tile church, 105x107.
Owner—First Christian Church. Rev. Benjamin Smith, Pastor.
Architect—Francis W. Reid, Ochsner Bldg., Sacramento.
Sub-figures are being taken by Rev. Smith on all parts of the work. The foundations have been started.

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Plans Being Prepared.
CHURCH Cost, $——
FRESNO, Fresno Co., Cal.
Fireproof church building.
Owner—First Methodist Episcopal Church of Fresno.
Architect—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.

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Preliminary Plans Approved. Working Drawings Being Prepared.
CHURCH Cost, $80,000
SELMA, Fresno Co., Cal. Grant and First Streets.
Fireproof church building.
Owner—Baptist Society of Selma. Rev. Carl F. Truex, Pastor, Selma.
Architect—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.

## FACTORIES AND WAREHOUSES.

Plans Being Prepared.
WAREHOUSE Cost, $150,000 to $200,000
LOS ANGELES. NE Seventh and Mill Streets.
Seven-story Class "A" reinforced concrete warehouse. 100x150.
Owner—California Walnut Growers' Association.
Architect—A. C. Martin, 432 Higgins Bldg., Los Angeles.

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Contract Awarded on Percentage Basis. Sub-Figures Being Taken.
WAREHOUSE Cost, $175,000 approximately.
OAKLAND, Alameda Co., Cal. S Second Street 88 E Brush Street.
Four-story reinforced concrete warehouse.
Owner—Robert Dalziel Co., 552 Mission St., San Francisco.
Architect—Willis C. Lowe, Cr. Palmer & Petersen.
Contractor—Palmer & Petersen, Monadnock Bldg., San Francisco.

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Plans Being Figured
PERGOLA ON ROOF Cost, $——
SAN FRANCISCO, No. 1453 Mission St.
One-story frame and glass pergola on roof of five-story manufacturing building.
Owner—Gantner & Mattern, Premises.
Architects—Louis M. Upton and Milton Latham, 454 Montgomery St., San Francisco.

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Contract Awarded.
WAREHOUSE Cost, $16,900
SAN FRANCISCO. S Harrison 200 E Fourth Street.
One-story Class "C" brick warehouse.
Owner—Fourth Street Realty Co., Care Architects.
Architects—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
**All work except brick work** to Peter Hamilton, Russ Bldg.
**Brick Work** to Thos. F. Mulcahy, 180 Jessie St.

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Owner Taking Figures.
WAREHOUSE Cost, $10,000
SAN FRANCISCO. E Tulare Street 100 N Pennsylvania Street.
Frame hay warehouse.
Owner—Chas. E. Goss & Son, Merchants' Exchange Bldg., San Francisco.
Architect—A. Reinhold Denke, 1087 Market St., San Francisco.

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Plans Being Prepared. Sub-Figures to be Taken Next Week.
DRY KILN Cost, $30,000
WILLITS, Mendocino Co., Cal.
Dry kiln.
Owner—Northwestern Redwood Lumber Company.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
NOTE:—Work will be done by days labor.

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Contractors Taking Figures For Materials.
COLD STORAGE PLANT
Cost, approximately $200,000.
OAKLAND, Alameda Co., Cal. N First St., bet. Market and Myrtle Sts., 184 x300.
Reinforced concrete ice and cold storage plant.
Owner—National Ice & Cold Storage Co., Postal Telegraph Bldg., San Francisco.
Architect—Eng. Dept. of Owner.
Mr. Howell is Chief Engineer.
Contractor—Nelson & Forsyth, Union Savings Bank Bldg., Oakland.
Contract awarded on a percentage basis.

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Plans Being Prepared. Ready for Sub-Figures in Two Weeks.
WAREHOUSE Cost, $100,000
SAN FRANCISCO. Seventh and Hubbell Streets.
Four-story reinforced concrete warehouse and mill.
Owner—Natoma Rice Milling Co.
Engineer and Contractor—J. H. Hjul, Eick Bldg. San Francisco.
Piling to be done by days work

Contracts Awarded.
ADDITION Cost, $23,250
SAN FRANCISCO. E Capp 150 N 18th Street and N 18th E of Capp.
One-story brick building and a one-story brick addition to present building (furniture factory) dry kiln, glue rooms, etc.
Owner—Klopstock Bros., 18th and Capp Sts., San Francisco.
Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco.
**Electric Work** awarded to San Francisco Electric Co., 26 1st St.
**Plumbing** to J. J. McLeod, 1246 Golden Gate Avenue.

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Plans Being Prepared.
ALTERATIONS Cost, $100,000
VANCOUVER, Wash.
Altering brewery plant for cold storage and dairy products plant.
Owner—Columbia Dairy Products Co., Vancouver, Wash.
Architects—Rasmussen, Grace Co., Bates Bldg., Portland, Ore.

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Owners Taking Figures.
WAREHOUSE, ETC. Cost $25,000
SAN FRANCISCO. Twelfth Street near Howard.
One-story brick and reinforced concrete warehouse and salesroom (building to be strong enough for 2 additional stories).
Owner—Michelin Tire Co., 1640 Pine St., San Francisco.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.

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Taking Figures for Materials and Sub-Contracts.
MILLING PLANT Cost, $1,000,000 including machinery.
OAKLAND, Alameda Co., Cal. Near Tidal Canal in East Oakland.
Reinforced concrete milling plant.
Owner—Western Milling Co.
Machinery Engineers—Strong Scott Mfg. Co., Minneapolis.
Construction Engineers—MacDonald Engineering Co. of Chicago (R. P. Durham, President, Hotel Oakland, 13th and Harrison Sts., Oakland).
Mr. Durham is taking figures for cement, gravel, lumber, steel, etc.
Construction will start Monday.

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SAN DIEGO, Cal. Plans and specifications for the proposed mole-type municipal pier are being prepared by engineers under the direction of the harbor commission. The pier will be 1000 ft. long and 400 ft. wide, with depressed tracks in the center, transit sheds and warehouse. The pier will be equiped with all modern freight handling facilities. Bonds to the amount of $250,000 have been voted for the pier.

## FLATS.

Plans Prepared.
FRAME FLATS Cost, $10,000
SAN FRANCISCO. NW Tenth Avenue and Anza Street.
Two-story and basement frame (4) flats
Owner—Ernest Erickson.
Architect—W. W. Mohr, 110 Sutter St., San Francisco.

## GARAGES

Contract Awarded. To Take Sub-Figures.
GARAGE Cost, $43,500
SAN FRANCISCO. N Pine St. 115 W Leavenworth St.
Two-story reinforced concrete public garage.
Owner—J. A. Hatter, 745 Market St., San Francisco.
Architect—None.
Contractor—Palmer & Petersen, 782 Market St., San Francisco.

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Plans Being Figured.
GARAGE Cost, $28,000
TURLOCK, Stanislaus Co., Cal.
One-story brick garage.
Owner—Dr. Geo. A. Hodges, Turlock.
Architect—J. J. Rankin, 1st National Bank Bldg., San Francisco.
Figures are being taken for a general contract.

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Plans Being Figured.
GARAGE Cost, $10,000
PALO ALTO, Santa Clara Co., Cal.
One-story brick garage.
Owner—Jas. McIntosh.
Architects—Ralph Wyckoff and H. C. White, 328½ Main St., Salinas and Pajaro Valley Bank Bldg., Watsonville.

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Building Permit Granted.
GARAGE Cost, $6,000
CHICO, Butte Co., Cal. Main Street bet. 5th and 6th Streets.
One-story brick garage, 50x100.
Owner—Butte County Investment Co., Chico, Cal.
Architect—Not Given.

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Plans Being Figured. Bids Close Feb. 24, 1920, 11 A. M.
GARAGE Cost, $——
SANTA ANA, Orange Co., Cal.
One and two-story brick and hollow tile garage and office building, 106 x100.
Owner—Orange County.
Architect—W. W. Kays, Orange Co. Trust & Savings Bldg., Santa Ana.
Plans and specifications may be obtained from the County Clerk, J. M. Backs, or the architect.

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Bids Being Taken From Selectel List of Constractors.
GARAGE, ETC. Cost, $——
SEATTLE, Wash. 85th and Greenwood Streets.
Three-story concrete and tile garage, 120x160. Cost, $40,000; and two-story concrete and tile factory, 60x 120. Cost, $30,000.
Owner—Lester & Monohan.
Supt. of Construction and Designer—A. P. Lester, R. F. D. No. 2, Box 159 L. Seattle, Wash.

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Plans Being Prepared.
GARAGE Cost, $40,000
SAN FRANCISCO Downtown District
Two-story and basement reinforced concrete garage.
Owner—Withheld.
Architect—Paul F Demartini, 2123 Powell St., San Francisco.

## GOVERNMENT WORK AND SUPPLIES

SAN DIEGO, Cal.—Congressman Kettner has wired from Washington that $500,000 is available for the naval hospital to be erected east of the city stadium in San Diego, and that bids will be called for within 60 days.

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PAINT, ETC.—Paint and Chemical Section Munitions Building, Washington, D. C.—Bids are wanted until 10 A. M. February 13, 1920, circular 31, for furnishing f. o. b. San Francisco, 500 pounds red lead paste, 500 gallons boiled linseed oil, 200 gallons volatile mineral spirits, 1,000 pounds raw sienna, in oil; 75 pounds burnt umber, in oil; 175 gallons orange shellac varnish, 75 gallons alcohol, 175 gallons varnish, 25 gallons aluminum paint, 20 gallons shingle stain, and 30 gallons acid-proof black. For information address above.

FURNITURE POLISH.—Paint and Chemical Section, Munitions Building, Washington, D. C.—Bids are wanted until 10 A. M. February 15, 1920, circular No. 35, for furnishing f. o. b. San Francisco 200 quarts liquid furniture polish. For information address as above.

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WASHINGTON, D. C.—The following bids were received on January 20 at the naval fuel oil depot, San Diego, Calif., Yards and Dock specification 4105, for coal hopper:

California Iron Works, $2,605; 42 days.

Fred Steffgen, San Diego, Calif., $2,-647; 30 days.

Standard Iron Works, San Diego, Calif., $3,275; 60 days.

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SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, Bell Street Terminal, Seattle, up to February 16th, 11 A. M., for furnishing and delivering the following material at Pier in Seattle: welding goggles, roofing paper, saw teeth and shanks, cap and set screws, machine bolts, plumbing supplies, wire, insulators and miscellaneous telegraph line pole material, all under Circular No. 403.

Bids will be received on February 13th for furnishing the Commission under Circular No. 404 the following materials: Horizontal centrifugal pumps and fittings, jacks and derrick irons.

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WASHINGTON, D. C.—Navy Department, Office of the Chief of the Bureau of Yards and Docks, Washington, D. C., —Bids are wanted until March 3, 1920, specification 4129, for lighting fixtures for six barrack buildings at the Marine Corps base, San Diego, Calif. Estimated cost, $10,000.

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PAINT, ETC.—Paint and Chemical Section, Munitions Building, Washington, D. C.—Bids are wanted until 10 A. M., February 16, 1920, circular 34, for furnishing f. o. b. San Francisco 48,000 pounds basic carbonate white lead, in oil; 2,000 gallons raw linseed oil, 2,400 gallons volatile mineral spirits, 4,000 gallons shingle stain, 2,000 gallons shingle-stain preservative, 4,800 gallons do, 800 gallons dark-oak oil stain, 960 gallons warm gray paint, 1,200 gal-

lons ivory cream paint, 1,600 gallons varnish, 240 gallons white enamel, 800 gallons orange shellac varnish, and 800 pounds floor wax. For information address above.

WASHINGTON, D. C.—Under bids opened December 4 by the U. S. Engineer Office, Portland, Oregon, for constructing wooden dredge hull with house the contract was awarded to the Scandia Shipbuilding Co., Marshfield, Oregon, at $12,883.

WASHINGTON, D. C.—Under bids opened January 7 by the U. S. Engineer Officer, Los Angeles, Calif., for dredging in San Diego harbor, the contract was awarded to the United Dredging Co., Los Angeles, Calif., at $411,583.50.

WASHINGTON, D. C.—All bids received on January 5 by the U. S. Engineer Officer, San Francisco, Calif., for furnishing stone for jetty construction at Humboldt Bay, Calif., have been rejected as excessive.

SAN DIEGO, Cal.—The bid of the Standard American Dredging Co., Central Bldg., Los Angeles, G. F. Guthridge, Manager, for dredging in San Diego harbor, has been accepted by the war department. Three areas are to be dredged, the company bidding 24½c cu. yd. for the middle ground channel and Area A, involving 507,000 cu. yds., and 26.8c cu. yd. for Area C involving 1,077,000 cu. yds. The amount available for the middle ground and area A is $146,000 and for area C $208,000.

WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer, the Panama Canal, up to February 12th, 10:30 A. M., for furnishing and delivering the following materials either at Cristobal (Atlantic Port) or Balboa (Pacific Port), Canal Zone, Isthmus of Panama, under Circular No. 1339:

Staybolt iron, rolled copper, copper sheet, brass tubing, cast iron pipe, traps, galvanized bushings, couplings, tees, elbows, flanges, unions, brass caps, elbows, cast iron fittings, railing fittings, air, basin, steam, curb cocks; valves, hacksaw blades, deck, machine, ring and track bolts; nails and wood screws.

## HALLS AND SOCIETY BUILDINGS.

Contract Awarded on a Percentage Basis.
COUNTRY CLUB Cost, $130,000
LOS ANGELES. W of La Brea Avenue and N of Wilshire Blvd.
Owner—Wilshire County Club.
Architects—Hunt & Burns, 701 Laughlin Bldg., Los Angeles.
Contractor—Davidson Construction Co., 1445 E-16th St., Los Angeles.

Plans Being Prepared.
ADDITION Cost, $——
SAN FRANCISCO. N Post Street W of Mason.
Class "A" addition to club building.
Owner—Olympic Club, Post St., San Francisco.
Architect—John Baur, 251 Kearny St., San Francisco.
The exact height of the addition will not be decided until the meeting of the directors after the President, Mr. Wm. E. Humphrey, returns from the East, which will be in about a week.

Contract Awarded on a Percentage Basis.
Y. M. C. A. BLDG. Cost, $——
POMONA, Los Angeles Co., Cal.
Three-story and basement Y. M. C. A. Building, 162x122.
Owner—Y. M. C. A.
Architect—Robert H. Orr, 1302 Van Nuys Bldg., Los Angeles.
Contractor—Fred L. Somers, 2650 Santa Fe Ave., Los Angeles.
The concrete foundation and cement work will be done by A. C. Stannard of Pomona.

## HOSPITALS

SANTA BARBARA, Santa Barbara Co., Cal.—The Edwards & Wildey Co., 515 Black Bldg., Los Angeles, submitted the only bid at $35,500 for the erection of a superintendent's cottage, laundry and boiler house at Santa Barbara County poor farm, plans for which were prepared by Architect Winsor Soule, 1206 State St., Santa Barbara. The cottage will be of reinforced concrete and hollow tile construction with stucco exterior, seven rooms and two bathrooms, composition roof, hardwood floors, steam heating, tiled bathrooms, wiring. The boiler house and laundry building will have reinforced concrete frame, hollow tile filler walls, composition roof, metal and wired glass skylights, fire doors, marble work in toilet rooms.

Plans to be Prepared. Site Purchased.
HOSPITAL Cost, $75,000
CHICO. Butte Co., Cal. Chico Vecino District, West Side Esplanade bet. 5th and 6th Avenues.
Three-story and basement concrete Hospital (80 rooms).
Owner—Dr. N. T. Enloe, 330 Flume St., Chico.

Plans to be Prepared.
HOSPITAL Cost, $75,000
CHICO, Butte Co., Cal. Chico Vecino District, West Side Esplanade bet. 5th and 6th Avenues.
Three-story and basement concrete Hospital (80 rooms).
Owner—Dr. N. T. Enloe, 330 Flume St., Chico.
Architect—Chester Cole, Chico.

Plans Being Figured. Bids Close March 2, 1920, 2 P. M.
HOSPITAL BLDGS. Cost, $60,000
NEVADA CITY, Nevada Co., Cal. County Hospital Grounds.
Two-story reinforced concrete main building and ward building for County Hospital Group.
Owner—County of Nevada.
Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.
Plans may be obtained from the Architect's Office or from the Clerk of the Board on a deposit of $20.

FAIRFIELD, Solano Co., Cal.—Following bids were received by the Solano County Supervisors, G. G. Halliday, County Clerk, for the construction of a sewerage disposal plant at the County Hospital:
E. E. Etherton Co. . . . . $7426.00
W. J. Schmidt . . . . . 8,620.00
Jno. Geary & Son. . . . . 6,200.00
Chambers & De Golyer. . . . 3,348.50
Contract was awarded to Chambers & De Gleyer.

## HOTELS

Preliminary Plans Being Prepared.
HOTEL Cost, $200,000
WILLOWS, Glenn Co., Cal. Walnut and Butte Streets.
Four-story brick and stone hotel and stores, 100x300 (70 rooms and 21 bathrooms).
Owner—A Corporation Headed by Geo. L. Briggs, Agent for Willows Improvement Corp., Willows.
Architect—Not Given.

Plans Being Prepared.
HOTEL Cost, $55,000
FRESNO, Fresno Co., Cal.
Two-story brick hotel (50 rooms with about 25% baths).
Owner—Withheld.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Plans Being Prepared.
HOTEL Cost $140,000
WHITTIER, Los Angeles Co., Cal. Painter and Philadelphia Aves.
Three or four-story brick hotel.
Owner—The Whittier Hotel Co.
Architect—Walker & Elsen, 1402 Hibernian Bldg., Los Angeles.

Plans Being Prepared.
HOTEL & STORES Cost, $35,000
PORTLAND, Ore. NW Broadway and Ankeny Streets.
Three-story and basement brick hotel and stores.
Owner—Geo. Dunning of Dunning & McEntee Undertaking Co., Portland
Architects—Houtaling & Dougan, Elks' Club Bldg., Portland, Ore.

## POWER PLANTS.

RIVERSIDE, Riverside Co., Cal.—The Holton Interurban Power Co. has allotted $1,500,000 for improvements in Southern California, including several hydro-electric plants in the Imperial Valley and $200,000 for a power line to Blythe and Ripley in the Palo Verde Valley.

FRESNO, Cal.—The State Railroad Commission has authorized the San Joaquin Light & Power Co. to issue $3,500,000 in stock for extensions and improvements. The company is building a 45,000-horsepower hydro-electric plant on the San Joaquin River, and a $950,000 steam unit at Bakersfield. It expects to expend $2,500,000 on its Kings River project.

BAKERSFIELD, Kern Co., Cal.—The San Joaquin Light & Power Corporation of Fresno, will build a $6,000,000 electric plant 35 miles west of Bakersfield in the new oil field where the natural gas now going to waste will be utilized to operate the plant. The first unit to cost $1,000,000, will be erected at once and orders have been placed for boilers, machinery and equipment. The plant will develop 17,500 h. p.

## PUBLIC BUILDINGS

All Bids Rejected. New Bids Called For
COURT HOUSE Cost, $150,000
INDEPENDENCE, Inyo Co., Cal.
Reinforced concrete and terra cotta court house.
Owner—Inyo County.
Architect—W. H. Weeks, 75 Post St., San Francisco.
NOTE:—All bids received February 2nd were rejected and new bids called for. The new closing date will be announced later.

Plans Being Prepared.
MAUSOLEUM Cost, $175,000
Los Angeles. Hollywood Cemetery.
Reinforced concrete and marble private mausoleum, 20x4.
Owner—W. A. Clark Jr.
Architect—Robert D. Farquhar, 427 Security Bldg., Los Angeles.
The exterior marble work has been let at $133,000 to the Georgia Marble Co., Tate, Ga. The general construction work will be done by the day, under the architect's supervision. Contracts for the interior marble and mosaic work have not been let.

Plans to be Prepared.
MEMORIAL HALL, ETC. Cost, $——
COLUSA, Colusa Co., Cal.
Two-story fireproof Memorial Hall and Women's Building.
Owner—American Legion, Colusa Post and The Womans' Club of Colusa.
Architect—Not Yet Selected.

Plans Being Revised.
COURT HOUSE Cost, $150,000
INDEPENDENCE, Inyo Co., Cal.
Reinforced concrete and terra cotta court house.
Owner—Inyo County.
Architect—W. H. Weeks, 75 Post St., San Francisco.
All bids received Feb. 2 for erection of proposed new court house were rejected, the lowest bid being $194,000 and only $150,000 being available from the bond issue.

SACRAMENTO, Cal.—The recently appointed Board of Directors of the State Home of Delinquent Women at a recent session in Sacramento discussed the selection of a site for the proposed women's building to be erected under the $150,000 appropriation of the last legislature. No definite action was taken.

Directors of the home are: Captain of Detectives Duncan Mathewson, of San Francisco; Dr. Emma K. Willits of San Francisco, Mrs. Maude Sibley of Los Angeles. Mrs. Ida M. Hume of Berkeley and Robert C. Barton of Los Angeles.

## RESIDENCES

Plans Being Figured.
ADDITION Cost, $1,500
SAN FRANCISCO. No. 2460 Lyon St.
Add servants' dining room to residence.
Owner—J. J. Tynan, Premises.
Architects—Louis Upton and Milton Latham, 454 Montgomery St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $4,500 approximately.
SAN FRANCISCO. No. 2559 Green St.
Alterations and additions to frame residence.
Owner—Mrs. A. L. Gump.
Architects—Milton Latham and Louis Upton, 454 Montgomery St., San Francisco.
Contractors—Taylor & Jackson, Call Bldg., San Francisco.

Segregated Figures to be Taken First of Next Week.
RESIDENCE Cost, $25,000
SAN FRANCISCO. Sea Cliff.
Two-story basement and attic frame and plaster residence (9 rooms and garage).
Owner—Francis H. Crosby.
Architect—Clarence A. Tantau, 251 Kearny St., San Francisco.
Figures will be taken as follows: General contract, plumbing, heating, electric work and ornamental iron.

Contract Awarded.
BUNGALOWS Cost, $5,000 each
BURLINGAME, San Mateo Co., Cal. Easton Addition.
Three one-story frame bungalows.
Owner—Withheld.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—W. O. Nicolaides, 218 Peninsula St., San Mateo.

Plans Prepared. Ready for Figures in About a Week.
RESIDENCE Cost, $12,000
SACRAMENTO, Cal. "M" Street.
Two-story and basement frame residence (9 rooms).
Owner—Jas. Fitzpatrick.
Architects & Engineers—Rowell & Collins, 511 Claus Spreckels Bldg., San Francisco.

Bids in. Contract to be Awarded Shortly.
RESIDENCE Cost, $20,000
SAN FRANCISCO. Sotelo Ave., Forest Hill.
Two-story and basement frame and plaster residence (10 rooms and 3 bathrooms).
Owner—J. W. Marshall.
Architect—Wm. E. Milwain, Albany Blk., Oakland.

Ready For Figures End of This Week.
RESIDENCE, ETC. Cost, $13,000
BERKELEY, Alameda Co., Cal. SW Virginia St. and Bushnell Place.
Two-story and basement frame residence and garage (8 rooms and 3 bathrooms).
Owner—H. C. Macauley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans Being Prepared.
BUNGALOW Cost, $7,500
SAN FRANCISCO. Westwood Park.
One-story frame bungalow.
Owner—Withheld.
Architect—Walter King, Call Bldg., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $10,000
BERKELEY, Alameda Co., Cal. Indian Rock Avenue.
Owner—Mr. F. Morris.
Architect—Chas. H. Skidmore, New Call Bldg., San Francisco.

Plans Being Figured. Owner Taking Figures.
RESIDENCE Cost, $8,000
SAN FRANCISCO Anza Street near Twenty-ninth Avenue.
Two-story frame residence.
Owner—E. L. Atkinson.
Architect—Chas. H. Skidmore, New Call Bldg., San Francisco.

Figures Being Taken for Materials.
BUNGALOWS, HOTEL Cost, $1,000,000 or more.
YOSEMITE PARK, Camp Yosemite.
100 frame bungalows; 3 or 4-story frame and stone hotel, 150 rooms; frame garage; bakery; cold storage plant, etc.
Owner—Yosemite National Park Co.
Architect—Edwin J. Symmes, 1700 Pearl St., Alameda.
Contractor—Gutleben Bros., Call Bldg., San Francisco.
The Yosemite National Park Co. has organized a construction department and selected Mr. Symmes as architect and Gutleben Bros. as construction managers.
Mr. Gutleben is now taking figures for materials for the bungalows and garage. Plans for the hotel are being completed.

Plans to be Prepared.
RESIDENCE Cost, $10,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster residence (8 rooms, 3 bathrooms and garage).
Owner—Herman Mattern.
Architects—Louis M. Upton and Milton Latham, 454 Montgomery St., San Francisco.

Contract Awarded.
RESIDENCE, ETC. Cost, $30,000
MARYSVILLE, Yuba Co., Cal. Victor Sartori Ranch on State Highway.
Residence, dairy barns, etc.
Owner—Victor Sartori, River Road, Yuba City, Cal.
Architect—Not Given.
Contractor—McDaniel & Burroughs, 815 5th St., Marysville.
NOTE:—Residence to cost $11,000.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $50,000
SAN JOSE, Santa Clara Co., Cal.
Two-story frame and plaster country residence.
Owner—Withheld.
Architect—Clarence A. Tantau, 251 Kearny St., San Francisco.

Contract Awarded. Work Started.
RESIDENCE Cost, $13,000
WILLOWS, Glenn Co., Cal. Holliswood Orchard.
Frame country residence.
Owner—Mrs. C. H. Marsh, Hollisworth Orchard, Willows, Calif.
Architect—Not Given.
Contractor—L. S. Lewis, Willows, Cal.
NOTE:—Wm. Pinney is manager of the Hollisworth Orchard.

Plans Being Figured.
BUNGALOW, ETC. Cost, $——
SAN LEANDRO, Alameda Co., Cal. Broadmoor Tract.
Two-story frame and plaster bungalow and garage (6 rooms).
Owner—H. A. White.
Architect—R. A. Hutchinson & Mills, Albany Blk., Oakland.

Sketches Being Prepared.
RESIDENCE Cost, $10,000
SAN FRANCISCO. St. Francis Wood
Two-story frame and plaster residence (6 rooms).

Owner—Clyde N. Beal, 40 Terrace Drive, San Francisco.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $6,000
WATSONVILLE, Santa Cruz Co., Cal.
One-story six-room frame residence.
Owner—W. W. Sunbury.
Architects—Ralph Wyckoff and H. C. White, 328½ Main St., Salinas and Pajaro Valley Bank Bldg., Watsonville.

Preliminary Plans Being Prepared.
RESIDENCE, ETC. Cost, $15,000
ALAMEDA, Alameda Co., Cal. Near Encinal Boat House.
Two-story frame and brick veneer residence and garage (10 rooms).
Owner—Withheld.
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $10,000
SAN FRANCISCO. St. Francis Wood.
Two-story and basement frame and plaster residence (6 rooms and basement garage.)
Owner—Karl Ingram, Cr. Associated Press, Merchants Nat'l. Bank Bldg., San Francisco.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.

Plans Being Prepared.
BUNGALOWS Cost, $4,000
SAN FRANCISCO. 47th Ave. and Cabrillo.
Ten one-story frame bungalows, 3 rooms (apartment bungalows).
Owner—Withheld.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $——
SANTA MONICA, Los Angeles Co., Cal. Adelaide Drive.
Two-story frame and plaster residence (15 rooms and 4 bathrooms).
Owner—Mrs. Pickford.
Architect & Contractor—Frank Meline, 6779 Hollywood Blvd., Los Angeles.

Plans Being Prepared.
RESIDENCE Cost, $200,000
LOS ANGELES, Los Angeles Co., Cal. Fremont Place.
Large residence.
Owner—Mary Pickford.
Architect & Contractor—Frank Meline, 6779 Hollywood Blvd., Los Angeles.

FRESNO, Fresno Co., Cal.—The Industrial Committee of the Chamber of Commerce has submitted a report to the Chamber urging that steps be taken providing for the erection of one thousand homes for workingmen before Fresno considers the location of additional industries. L. W. Wilson is Chairman of the Industrial Committee.

## SCHOOLS

Plans Being Figured. Bids Close Feb. 16th, 1920.
SCHOOL Cost, $——
DAVIS, Yolo Co., Cal.
One-story hollow tile school building (8 classrooms).
Owner—Davis School District.
Architect—Geo. C. Sellon & Co., 201 Mitau Bldg., Saramento.
NOTE:—Bids are being taken for a general contract.

Plans Being Figured. Bids Close Feb. 16th, 8 P. M.
SCHOOL Cost, $10,000
IGNACIO, Marin Co., Cal.
One-story frame (2-room) school.
Owner—San Jose School District. Geo. S. Jones, Clerk, Ignacio, Cal.
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.
Plans may be had from the office of the architect.

Commissioned to Prepare Plans.
ADDITIONS Cost, $200,000
FULLERTON, Orange Co., Cal.
Fireproof additions to high school buildings.
Owner—Fullerton High School District
Architect—Carleton M. Winslow, 1134 Van Nuys Bldg., Los Angeles.

Commissioned to Prepare Plans.
SCHOOL Cost, $150,000
ANAHEIM, Orange Co., Cal.
Fireproof high school building (auditorium, gymnasium and domestic science building).
Owner—Anaheim Union High School District.
Architect—J. F. Walker, 1st National Bank Bldg., Anaheim.

Completing Plans. Ready for Figures in about Three Weeks.
ADDITION Cost, $——
MODESTO, Stanislaus Co., Cal.
Additions to three school buildings (one, two and three-story brick and two one-story frame or hollow tile).
Owner—City of Modesto.
Architect—John J. Donovan, Perry Bldg., Oakland.

Plans to be Prepared.
ALTERATIONS Cost, $——
OAKDALE, Stanislaus Co., Cal.
Alterations and additions to present Union High School.
Owner—Oakdale Union High School District, C. E. Overman, Principal.
Architect—Not Yet Selected.
School Principal Overman at the last meeting of the Board was directed to secure the services of an architect to prepare plans for increasing the present school quarters. The addition of another wing to the structure is contemplated.

Contract Awarded.
SCHOOL Cost, $82,120.60
SAN BERNARDINO, Cal. Base Line School.
One-story reinforced concrete school, 170x144.
Owner—City of San Bernardino.
Architect—Howard E. Jones, Katz Bldg., San Bernardino.
Contractor—L. C. Waldman, Riverside.
The contract for the heating was awarded to Pacific Gas Radiator Co. of Los Angeles, at $2700.

Sketches Being Prepared.
SCHOOL Cost, $——
PALO ALTO, Santa Clara Co., Cal.
One-story grammar school building (7 rooms, auditorium, manual training and domestic science.)
Owner—City of Palo Alto.
Architects—W. C. Hays and Chas. Summer, Associated, 1st National Bank Bldg., San Francisco. x

NOTE:—Type of construction has not been decided. A bond election will be held shortly.

Commissioned to Prepare Plans.
SCHOOL Cost, $350,000
HANFORD, Kings Co., Cal.
Fireproof high school buildings.
Owner—Hanford Union High School District.
Architects—Coates & Travers, Rowell Bldg., Fresno.

Bonds Voted. Bids to be Called for Shortly.
SCHOOL Cost, $55,000
ROSEVILLE, Placer Co., Cal.
Terra cotta tile grammar school (8 class rooms, library, auditorium seating 600.)
Owner—Roseville Grammar School District.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Plans Being Figured.
SCHOOL Cost, $37,000
WINTERS, Yolo Co., Cal.
One-story frame and brick veneer school.
Owner—Winters Grammar School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Plans may be obtained from the Architect or from the Clerk of the Board.
The closing date will be announced later.

Commissioned to Prepare Plans.
SCHOOL Cost, $75,000
CALISTOGA, Napa Co., Cal. Calistoga Union High School District.
One-story reinforced concrete high school about 15 rooms.
Owner—Calistoga Union High School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
NOTE:—Architects Geo. C. Sellon of Sacramento, W. H. Weeks and N. R. Coulter of San Francisco, were invited to submit plans. Mr. Coulter's were accepted by the Board. A $75,000 bond election will be held in the near future.

Plans Being Figured. Bids Close Feb. 25, 8 P. M.
SCHOOL Cost, $65,000
TURLOCK, Stanislaus Co., Cal. Blocks 69 to 76, incl., in City of Turlock.
One unit of brick high school.
Owner—Turlock Union High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Bids are to be received on the General Contract with its several alternate propositions.
Plans and specifications can be seen at the office of Baker & Garner, 110 So. First street, Turlock, California, Clerk of the Board at Turlock, California, or at the office of the Architect.
A deposit of $20 cash will be required on all plans.
Certified check of 5% payable to O. F. Garner, Clerk of District, must accompany each bid.

KING CITY, Monterey Co., Cal.—Following bids were received by Architect H. B. Douglas, King City, for the construction of a one-story and basement frame and concrete school building for the King City School District:

McLeran & Petersen, S. F. .....$15,969
Hagens & Warden, Monterey.... 39,937
D. H. Danforth, Salinas,..... 39,500
N. Nommensen, 134 S-8th St., San Jose ..... 37,802

Bids were taken under advisement. It is thought that the contract will be awarded Contractor Nommensen, the low bidder.

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Plans Being Figured. Bids Close Mar. 4th, 7:30 P. M.
SCHOOL Cost, $——
SALINAS, Monterey Co., Cal. South Main and Geil Streets.
One and two-story reinforced concrete Union High School Building.
Owner—Salinas Union High School District. E. L. Van Dellen, Clerk, Salinas, Calif.
Architect—Ralph Wyckoff, 328½ Main St., Salinas, or Pajaro Valley Bank Bldg., Watsonville, Calif.

Bonds of $250,000 voted for construction.

Blds will be received separately on the plumbing, heating and ventilating, program clocks, locker, electric fixtures, furniture, stage curtains and scenery and cafeteria kitchen equipment, and a general contract with alternate propositions.

Certified check of 10% payable to E. L. Van Dellen, Clerk of Salinas Union High School District, must accompany each bid.

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Plans Being Figured. Bids Close Feb. 16, 1920, 7:30 P. M.
SCHOOL Cost, $——
LONG BEACH, Los Angeles Co., Cal. Hill St. and Atlantic Avenue.
Two-story brick school building (9 rooms and kindergarten building).
Owner—City of Long Beach.
Architects—John C. Austin and W. Horace Austin, Associated, 1st National Bank Bldg., Long Beach.

Bids will be taken separately on the general contract, painting, electric wiring ,heating and ventilating and program clock system.

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Figures to be Called For in About a Week.
SCHOOLS Cost, $42,000 each
TURLOCK, Stanislaus Co., Cal.
Two two-story and basement brick (schools (additions) 14 or 16 rooms each.
Owner—Turlock School District. Chas. Lindahl, Clerk, Turlock.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Bonds of $89,000 have been voted.

## STORES AND OFFICES

SAN DIEGO Cal.—Lange & Bergstrom, Timken Bldg., San Diego, have awarded a contract to the Globe Elec. Co. of San Francisco in connection with the construction of an 8-story reinforced concrete department store building at Fifth and Broadway for the Sunshine Realty Co. The building will be occupied by Holzwasser, Inc. John T. Vawter, Owl Drug Bldg., San Diego, is the architect.

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Plans to be Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. E Montgomery St. between Sutter and Bush Streets.
Alterations to six-story and basement brick office building.
Owner—I. Strassburger, 411 Montgomery St., San Francisco.
Architect—Not Selected.

The property has just been purchased by I Strassburger and will be used by the firm of Strassburger & Co. for their offices.

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Plans Prepared.
ADDITION Cost, $10,000
SAN FRANCISCO. No. 831 Market St.
Addition to mezzanine floor and alter show window, etc.
Owner—Marks Bros., Premises.
Architect—Bernard J. Joseph, 74 New Montgomery St., San Francisco.

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Contract Awarded.
STORE AND OFFICE BLDG. Cost, $100,000.
LONG BEACH, Los Angeles Co., Cal. Pine Avenue.
Two-story and basement reinforced concrete store and office building, 50x150.
Owner—Pickerell & Scott (1st floor leased to The Chocolate Shop.)
Architect—Fred R. Dorn, 1233 Marsh-Strong Bldg., Los Angeles.
Contractor—C. T. McGrew, 1345 W-Ocean Ave., Long Beach.

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Plans Being Figured.
COMMERCIAL BLDG. Cost, $50,000
SAN FRANCISCO. Location Not Given.
Three-story reinforced concrete commercial building.
Owner—Withheld.
Architect—Walter King, Call Bldg., San Francisco.

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Plans Being Prepared.
AUTO SALES BLDG. Cost, $150,000
SAN FRANCISCO. Location Not Given.
Four-story Class "A" auto sales building, 100x175.
Owner—Withheld.
Architect—Chas. H. Skidmore, Call Bldg., San Francisco.
Glass around four sides of building; 2 elevators.

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Plans Being Prepared.
STORES AND LOFTS Cost, $40,000
PORTLAND, Ore. Sixth and Everett Streets.
Two-story brick and heavy mill construction stores and lofts, 100x100.
Owner—Dolph Estate.
Architect—Chas. W. Ertz, Pittock Blk. Portland, Oregon.

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Contracts Awarded. Figures Being Taken for Mill Work.
ALTERATIONS Cost, $——
SAN FRANCISCO. No. 615 Market St. near Second Street.
Alter three-story and basement Class "A" building for stores and offices or lofts. (Install new front, marble wainscot, stairs, elevator, etc.)
Owner—Eisenbach Co., Flatiron Bldg., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
**Carpentry Work** awarded to Louis Fontanella, 820 Pine St.
**Iron work** to Schaeffer & Co., 364 10th Street.
**Marble** to Joseph Musto Sons-Keenan Co., 535 North Point St.
**Terrazzo** to P. Grassi & Co., 135 Tehama St.
**Glass and Glazing** to W. P. Fuller & Co., Beale and Mission Sts.
**Hardware** to Joost Bros.
**Cement Work** to Patrick Hurley.
**Ornamental Pinstering** to O. F. Larson & Son, 178 Guerrero St.

Mr. Knoll is taking figures for the general mill work. Figures will not be taken on the store fronts and fixtures until the building is leased.

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Contract Awarded.
STORE Cost, $5,000
GERBER, Tehama Co., Cal.
One-story hollow tile and stucco store, 25x85.
Owner—G. Steimer, Gerber, Cal.
Architect—None.
Contractor—R. B. McKenzie. Gerber.

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Plans Being Prepared.
FURNITURE STORE Cost, $27,000
FRESNO, Fresno Co., Cal. North "J" Street.
One-story and basement concrete furniture store building, 50x135.
Owner—Daniel Kalyjian (Fresno Furniture Co.)
Engineer—L. H. Nishklan, Monadnock Bldg., San Francisco.

The excavation contract has been awarded to W. B. Ariss.

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Plans Being Figured.
ALTERATIONS Cost, $5,000
SAN FRANCISCO. No. 181 O'Farrelt Street.
Alterations to store. (alter interior and install new store fronts).
Owner—Mrs. Louise Harvey.
Architect—Alfred Kuhn, 833 Market St., San Francisco.

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Contract Awarded.
MEAT MARKET Cost, $30,000 approximately.
WILLOWS, Glenn Co., Cal. Butte St.
One-story concrete and terra cotta meat market building.
Owner—F. B. Weinrich (Willows Meat Market), 130 W-Walnut St., Willows.
Architect—Mr. Diekman, Willows.
Contractor—A. Lynch, 180 Jessie St., San Francisco.

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Plans Being Prepared.
STORE & OFFICES Cost, $125,000
SAN FRANCISCO. NE Battery and Halleck Streets.
Two-story and basement Class "C" stores and offices.
Owner—McDermott Estate.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.

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Plans Being Prepared.
STORE, ETC. Cost, $——
LOS ANGELES, Los Angeles Co., Cal. NW Seventh and Figueroa Sts.
One and two-story reinforced concrete store and auto sales building, 211x215.
Owner—Harold L. Arnold.
Architect—T. Beverley Keim Jr., Haas Bldg., Los Angeles.

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Contract Awarded.
ADMINISTRATION BLDG. Cost, $9,882
TURLOCK, Stanislaus Co., Cal. Delhi Colony.
One-story hollow tile administration building, 30x65 (6 work rooms, vault, toilet rooms, etc.)
Owner—State Land Settlement Board, Delhi Colony, Turlock, California.
Farmstead Engineer—Max E. Cook, Turlock, Calif.
Contractor—Peter Wallstrom, Turlock.

To be Done by Days Work and Sub-Contracts.

AUTO SALES ROOMS Cost, $40,000
SAN FRANCISCO. SW Golden Gate Avenue and Franklin.
One-story and basement concrete auto sales rooms.
Owner—O. H. Curtaz, 521 Hayes St., San Francisco.
Supt.—Wm. Helbing, 521 Hayes St., San Francisco.

Plans Being Prepared.
STORES Cost, $——
BERKELEY, Alameda Co., Cal. N Bancroft Way 45 E Telegraph Ave.
One-story brick (3) stores, 50x60.
Owner—John Freuler.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans to be Prepared.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. NE Polk and O'Farrell Streets, 120x275,
Four or five-story Class "A" auto sales building.
Owner—H. O. Harrison Co., 1200 Van Ness Ave., San Francisco.
Architect—Withheld.

Plans to be Prepared.
ADDITION Cost, $——
SAN FRANCISCO. NW Pine and Front Streets.
Two-story brick addition to present two-story brick store and loft building.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

TURLOCK, Stanislaus Co., Cal.—Following bids were received by Max E. Cook, Farmstead Engineer, of the State Land Settlement Board, Delhi Colony, Turlock, for the construction of an administration building:

Standard Constr. Co., San Francisco, 1, Tile Walls, $10,480; 2, Studded Walls, $9,580.

C. A. Tornell, Turlock (1) $10,080; (2) $9,300.

Wakefield & Peterson, Turlock, (1) $9,993; (2) $9,450.

J. F. Knapp, Turlock (1) $9,965 (2) $——.

P. T. Wallstrum, Turlock (1) $9,882; (2) $9,120.

## THEATRES

BAKERSFIELD, Kern Co., Cal.—Currie & Dulgar, 1029 Nile St., Bakersfield, who are building the Bakersfield Theatre, have awarded the contract for plastering and cast cement work to MacGruer & Simpson of San Francisco, at $12,000. Orville Clark of Bakersfield, is the architect.

PHOENIX, Ariz.—A company to be capitalized at $1,000,000 is being formed by David Goldberg and associates to erect a six-story theatre and office building on a site, 105x200 feet, at First and Washington Sts. The site has been purchased. Preliminary plans for the building have been prepared by Frank Cox of Chicago and Los Angeles. J. B. Lyman, of the firm of Lyman & Place, Architects, of Tucson, is associated with Mr. Cox, who has planned more than 50 theatres for the Klaw & Erlanger interests. The theatre will have a seating capacity of 2000. The building will also contain five store rooms and 160 offices. It will be steel and concrete construction with terra cotta facing. G. A. Mauk, one of the leading theatrical men of Arizona, is interested in the project. The Columbia Theatre in Phoenix, which he owns and operates, will be remodeled for road shows, the stage and auditorium being enlarged. Mr. Mauk will also remodel the Amazu picture theatre in Phoenix, doubling its capacity by taking in an adjoining store room. Improvements are also planned by him for his theatres at Florence, Ray, Hayden and Sonora town, and he will open new theatres at Goodyear and Litchfield.

Plans Being Figured. Bids Close Feb. 24, 1920, 7 P. M.
THEATRE Cost, $——
SANTA MONICA, Cal. Santa Monica High School Site.
Concrete and brick open air theatre.
Owner—Santa Monica High School District.
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

Segregated bids will be taken for: (1) excavating, concrete, masonry, iron and carpentry work; (2) sheet metal work; (3) tile roofing; (4) composition roofing; (5) plastering; (6) painting; (7) hardware; (8) plumbing and heating, and (9) electric work. Certified check or bidder's bond for 5% required. A deposit of $10 will be required for plans which may be obtained from the architects. The proposed theatre will be built on the side of a hill and will seat about 3000. There will be an open air stage with dressing rooms.

Contract Awarded.
ALTERATIONS Cost, $60,000
SEATTLE, Wash. No. 1414 4th Ave.
General alterations and additions for theatre building.
Owner—Mission Theatre Co., Premises.
Engineer—Henry Bittman, Securities Bldg., Seattle, Wash.
Contractor—The Foundation Co., Smith Bldg., Seattle, Wash., and Holbrook Bldg., San Francisco.

# ENGINEERING

## BRIDGES, DAMS & HARBOR WORK

LOS ANGELES, Cal.—The Ross Construction Co., Point Loma, Calif., submitted the lowest bid at $65,670 for improving the flood channel of Ballona creek, involving 170,000 cu. yds. excavation at 37.4c yd. United Dredging Co. of Los Angeles, bid $83,980, its unit price being 49.4c. P. L. Burr, 512 Mission St., San Francisco, bid $87,550 for two sections involving 90,000 cu. yds. at 64.5c yd. and 50,000 cu. yds. at 59c yd. The work consists of dredging a channel 150 ft. wide and averaging 4 to 5 ft. in depth from a point near Palms to the ocean at Playa Del Rey. The work is divided into three sections involving 50,000, 90,000 and 30,000 cu. yds., respectively. The bids were referred to Chief Engineer Reagan of the Flood Control District.

SACRAMENTO, Cal.—Organization of the Port of Sacramento, to construct a deep water canal to tidewater, is being urged as a solution of the financing of the project. Such a district would include not only the City of Sacramento, but land contiguous to the proposed canal, and all districts which would profit from the shipping in the canal.

Bonds would be voted by this district, and consequently would not affect the bonding limit of the city. Taxes to pay the bonds would be levied against the land in the district, but these would in no sense be city taxes

MADERA, Madera Co., Cal.—Following bids were received by the County Supervisors for the construction of a bridge over Ash slough on the Washington road:

Cotton-McCauley Co.....$8900
United States Farm Land Co. 8000
Ed. Layne ..... 8368

The contract was awarded to the low bidder.

LONG BEACH, Los Angeles Co., Cal.—The United Dredging Co., Central Bldg., Los Angeles, has been awarded the contract at about $100,000 by the Belmont Pier Tract Co. to dredge 700,000 cu. yds. of dirt from Alamitos bay and fill the West Naples canal and the balance of the Belmont company's subdivision between Long Beach and West Naples. The unit price for the work is 14.4c cu. yd. The United Dredging Co. also has a contract for 700,000 cu. yds. of dredging for the Huntington interests owning 150 acres adjoining that of the Belmont company.

SACRAMENTO, Cal.—The County Supervisors, Drury Butler, County Engineer, have authorized the construction of a bridge over the Sacramento river, near the upper end of Sutter Island, from a point a mile below Courtland. The site has been agreed upon by Colonel Rand of the Army Board of Engineers.

REDWOOD CITY, San Mateo Co., Cal.—Bids have been ordered received by the Town Trustees, to be opened at the March meeting, for the construction of the Lathrop, Oak and Ebener bridges, according to plans prepared by C. L. Dimmitt, City Engineer.

EUREKA, Humboldt Co., Cal.—Bids will be received by Fred M. Kay, County Clerk, up to February 17th, 2 P. M., for the construction of a wooden bridge across Camp Creek on the Klamath Road near Orleans in Road District No. 5.

ORLAND, Glenn Co., Cal.—Word has been received from the State Highway Commission that estimates for the reinforced concrete bridge across Stony Creek on the proposed Walker road route for the Orland-Chico highway are being completed and construction expected to be started within the next two months.

MERCED, Merced Co., Cal.—County Engineer A. E. Cowell, has been instructed to prepare plans and on completion of same commence construction of a reinforced concrete bridge over Canal Creek on the Merced-Snelling-Merced Falls road in Road District No. 3, Section 1. P. J. Thornton is County Clerk.

FLORENCE, Ariz.—Topeka Bridge & Construction Co. of Topeka, Kansas, was awarded the contract at $72,000 to

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PACIFIC PIPE CO.,
231 Howard St. San Francisco

construct a reinforced concrete bridge at Ray and remove and re-erect a 200-ft. steel bridge with an addition of 155 ft., for Pinal county highway commission. No other bid was received.

RENO, Nevada—Bids have been ordered received by the Washoe County Commissioners, Reno, for the construction of the proposed electric light bridge from plans of C. R. Hill. The structure will be paid for by the County of Washoe and the City of Reno.

SEATTLE, Wash.—Bids will be received by the King County Commissioners up to February 24th for the construction of the Novelty bridge, the longest span thus far planned by the County. It will cross the Snoqualmie river. Bids will also be received up to March 23rd, 10 A. M., for the construction of the Orilla and the O'Brien bridges; the first a 126-foot span and the latter 123 feet.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received by County Clerk W. W. Felt Jr., up to February 13th, 12 M., for the construction of a reinforced concrete floor slab, and railings on bridge at Station 586 plus 48.5 on the Petaluma-Sonoma Highway, Section "B," containing approximately 1.51 tons of reinforcing steel and approximately 26.50 cubic yards of concrete; a reinforced concrete bridge and wings at Station 633 plus .03 on the Petaluma Sonoma Highway, Section "B," containing approximately 13.28 tons of reinforcing steel and approximately 237.70 cubic yards of concrete; and a reinforced concrete bridge and wings at Station 635 plus 58 on the Petaluma-Sonoma Highway, Section "B," containing approximately 2.39 tons of reinforcing steel and approximately 46.52 cubic yards of concrete, in Supervisorial District No. 1.

Separate bids will be received on the same date for the construction of a reinforced concrete floor slab and railing for bridge at Station 96 plus 85.5, Petaluma-Sonoma Highway, Section "A," to contain approximately 2.46 tons of reinforcing steel and approximately 48.81 cubic yards of concrete; a reinforced concrete bridge at Station 171 plus 49 Petaluma-Sonoma Highway, Section "A," to contain approximately 4.66 tons of reinforcing steel and approximately 92.10 cubic yards of concrete; and a reinforced concrete floor slab, wings, and railing for bridge at Station 263 plus 62.5 Petaluma-Sonoma Highway, Section "A," to contain approximately 1.10 tons reinforcing steel and approximately 22.35 cubic yards of concrete, in Supervisorial District No. 1.

Lloyd Aldrich is County Engineer.

CALEXICO, Imperial Co., Cal.—Until 2 P. M., Feb. 16, bids will be received at the office of Allison & Entenmann, 209 Anderson Bldg., Calexico, for constructing a reinforced concrete check 60 ft. wide and a reinforced concrete headgate for a 200 cu. sec. ft. capacity canal in the Cerro Prieto canal, 15 miles southeast of Calexico in Lower California. The work will entail the building of a by-pass and tapons to divert water from the canal at the site of the new gate, driving sheet piling, excavating for the structure and returning the water from the by-pass to the canal. Plans and specifications may be seen at the office of the engineers.

SEATTLE, Wash.—Bids will be received by the Board of Public Works, C. F. Bagley, Secretary, up to February 20th, for the Wilson avenue paving improvement, estimated to cost $375,000, and up to February 13th for the Duwamish Fill, the estimated cost of which is $79,000.

COLUSA, Colusa Co., Cal.—The matter of paving portions of Eighth, Ninth, Tenth, Eleventh and Twelfth streets was discussed at the last meeting of the City Trustees but no definite action taken. B. L. McCue is City Clerk.

STOCKTON, San Joaquin Co., Cal.—Following bids were received by the County Supervisors, F. E. Quail, County Engineer, for repairing the Garwood Ferry bridge, located about 3½ miles southwest of Stockton on the Roberts Island road, over the San Joaquin river (said bridge having a total length of 354 feet and consisting of a 280 foot swing span and one 73 foot approach span.)

| | |
|---|---|
| R. C. Tumelty, Stockton | $3,783.50 |
| Ross Constr. Co., Sacramento | 3,866.00 |
| T. E. Brown, Stockton | 3,525.00 |
| Shephard & Riley, Stockton | 3,966.00 |
| Jenkins & Wells, Sacramento | 3,959.75 |
| Standard Constr. Co., S. F. | 3,830.50 |

Contract awarded to T. E. Brown, 1546 S-American St., Stockton.

## IRRIGATION PROJECTS

OROVILLE, Butte Co., Cal.—Voting unanimously, farmers of the Thermalito Colony at a recent meeting voiced their approval of the proposed irrigation system, embracing over 20,000 acres of land lying north of Oroville.

MARYSVILLE, Yuba Co., Cal.—Following bids were received by the Cordua Irrigation District, Warren Steel, Secretary, Ellis Block, Marysville, for the construction of a semi-circular flume approximately 1050 feet long and approximately 76.4 ft. in diameter, supported on a wooden sub-structure on concrete footings with reinforced concrete inlets and outlets, and one semi-circular flume 3100 feet long.

| | |
|---|---|
| Jenkins & Wells, Sacramento | $31,547.75 |
| Cotton McCauley, S. F. | 36,172.00 |
| E. H. Martin, Oakland | 37,878.95 |

Contract awarded to Jenkins & Wells.

Following bids were received for a main irrigation canal approximately 6 miles in length requiring approximately 35,000 cubic yards of excavation, and 10,000 cubic yards of embankment, together with the installation of drainage culverts:

| | |
|---|---|
| J. A. Huntington, Oroville | $23,743.58 |
| E. H. Martin, Oakland | 30,741.55 |

Contract awarded to J. A. Huntington.

GRASS VALLEY, Nevada Co., Cal.—The State Engineer's office, Sacramento, has declared the Yuba-Nevada-Sutter Irrigation project feasible and steps will be taken to commence construction of the system in the near future.

## LIGHTING SYSTEMS

FRESNO, Fresno Co., Cal.—Petitions are in circulation for the purpose of forming an electrolier district, taking in twelve blocks of G street from Fresno street at the subway to California avenue. It is proposed to place an electrolier every hundred feet of the entire street. Chas. Dillon is City Clerk.

MODESTO, Stanislaus Co., Cal.—W. J. Carpenter, City Electrician, is planning to install reinforced concrete electroliers fronting the Modesto High School building, and is conferring with property owners in I street, Magnolia and Sycamore avenues with a view to installing a system in those streets. The standards cost about $35 each.

W. O. Thompson is City Clerk.

WOODLAND, Yolo Co., Cal.—Estimates of costs for the installation of an electrolier system for the full length of Main street and portions of First and College streets are being gathered by property owners. The matter was discussed at the last meeting of the City Trustees, but action deferred until estimates of cost were presented.

## MACHINERY.

LOS ANGELES, Cal.—Until 10 A. M., February 16, bids will be received by the Board of Public Works for three motor-driven street sprinklers in accordance with specifications which may be obtained from the City Engineer, Room 405, South City Hall Annex. Horace B. Ferris, Secretary.

## SEWERS, STREET WORK & WATER SYSTEMS

MARTINEZ, Contra Costa Co., Cal.—Construction of the entire Martinez-Dublin highway, 20 miles long, was awarded to F. Rolandi, 550 Montgomery St., San Francisco, by the Board of Supervisors February 2nd. Rolandi's bids

on two divisions of the road were several thousand dollars lower than those of his two competitors. The bids received on Division 16, which includes the highway from Martinez to Hookston, were as follows:

F. Rolandi, $156,827.42; Bates & Borland, $164,047.30; O'Brien Bros., $159,508.30. Engineer's Estimate, $138,904.80.

Bids on Division 18, which includes the highway from Walnut Creek to Dublin were:

F. Rolandi, $272,675.88; O'Brien Bros., $306,300.20; Bates & Borland, $301,729.18. The Engineer's Estimate on the latter was $248,758.

MARTINEZ, Contra Costa Co., Cal.—At the last meeting of the Board of Supervisors, Surveyor R. R. Arnold introduced plans and specifications for construction of the Franklin Canyon highway to Hercules, 8.48 miles long, the Bryant to San Pablo dam highway, 7.3 miles long and the Bay Point to Avon Highway, 3.26 miles long. All were accepted by the Supervisors.

The Franklin Canyon to Hercules road will be 20 feet wide and of the same construction as the Martinez-Dublin highway, two eight-foot strips of concrete with a four foot strip of black base in the center. The two other roads will be of concrete, 18 feet wide.

EL CERRITO, Contra Costa Co., Cal.—City Engineer W. S. Farley at the last meeting of the Trustees submitted estimates of costs for the construction of a storm sewer system. The work will run about $80,000 according to the present plans. Funds to finance construction will no doubt be raised through a bond issue.

RENO, Nevada—Bids will be received by J. E. Sullivan, City Clerk, up to 8 P. M., March 8th, for the following street work:

Bid No. 1.—400,000 square feet of cement concrete pavement.

Bid No. 2—635,000 square feet of cement concrete pavement.

Bid No. 3—115,000 square ft. of sheet asphalt pavement.

Bid No. 4—235,000 square feet of Bitulithic pavement on a cement concrete base.

Bid No. 5—145,000 square feet of Bitulithic pavement on a rock macadam base.

Bid No. 6—90,000 square feet Bithulithic pavement on a concrete base.

Separate bids will be opened on the same date for the following sidewalk improvements:

Bid No. 1.—103,135 square feet cement concrete walks; 7,440 lineal feet cement concrete curb and gutter; 810 lineal feet cement concrete gutter.

Bid No. 2—31,540 square feet cement concrete walks; 13,121 lineal feet of cement concrete curb and gutter.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees, C. E. Daley, City Clerk, have passed resolutions of intention providing for the improvement of a portion of Escobar street by grading and constructing concrete curbs and paving 15 feet wide with a 5 inch concrete hydraulic base and an asphaltic concrete (Topeka) wearing surface 1½ inches thick.

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors, Henry A. Pfister, County Clerk, has awarded a contract to James Casley for the construction of a cement floor in the basement of the Santa Clara County Hall of Records Building, the bid being 16c per square foot.

SACRAMENTO, Cal.—The County Supervisors are considering the building of a road east from Galt to connect with the Ione road. Drury Butler is County Engineer.

LOS ANGELES, Cal.—E. Schelling, Lankershim, Cal., was awarded the contract February 2, at $88,554.37 for improving Clementina Avenue between York Blvd. and Campus road, involving 45,290 sq. ft. grading to finished subgrade at 5c ft.; 45,290 sq. ft. asphalt paving at 28c ft.; 340,593 sq. ft. rough grading at 5c ft.; 340,593 sq. ft. finishing brade, oiling and rolling at 6c ft.; 15,307 lin. ft. cement curb at 60c ft.; 81,643 sq. ft. cement sidewalk at 18c ft.; 33,794 sq. ft. concrete gutter at 25c ft.; 40 sq. ft. granite block gutter at 75c ft.; and three storm drains to cost $3785. Other bids were: Geo. H. Oswald, $91,179.23; Geo. J. Bock, $92,757.22.

OAKLAND, Cal.—The City Council has passed a resolution of intention providing for the improvement of Marion avenue from 38th avenue northwesterly by grading; constructing concrete curbs and gutters; cement sidewalks; vitrified pipe conduit; brick manholes, and paving with oil macadam. L. W. Cummings is City Clerk.

VALLEJO, Solano Co., Cal.—Owing to protests of property owners the City Council, T. D. Kilkenny, City Engineer, will probably reject the bid of R. Blanco of Vallejo at $39,195 for the improvement of Hichborn street.

NAPA, Napa Co., Cal.—The City Council, H. H. Thompson, City Clerk, has passed a resolution of intention and will shortly call bids for the improvement of Pachett street from the north line of Oak street to the south line of Second street by grading; constructing concrete curbs and gutters and paving with a 2-inch course asphalt macadam pavement 40 feet wide.

EI CENTRO, Imperial Co., Cal.—The Supervisors of Imperial Co. returned unopened the bids received February 2, for constructing approximately 26 miles of paved highway under the $1,500,000 bond issue. Opposition to plans of the highway commission and questions arising over the type of paving to be adopted is said to be the reason.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to John Geary Sons for the construction of an 8-inch vitrified pipe sewer; Y branches with 5-inch openings and lamphole with brick and cast iron top in Twenty-sixth avenue between E-Ninth and E-Tenth Sts.

ORLAND, Glenn Co., Cal.—W. H. Meek of Marysville has been awarded a contract by the City Trustees for paving Fourth, Fifth, Tehama, Walker and Colusa streets.

OROVILLE, Butte Co., Cal.—Plans and specifications for street work on Robinson and lower Montgomery streets were adopted by the Board of City Trustees at their last meeting.

The plans call for one and one-half-inches of Warrenite and one and one-half inch of asphaltic concrete base. Bids will be called for about March 1st. J. W. Gibson is City Clerk.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the City Council, A. L. Banks, City Clerk, up to February 10th, 10:30 A. M., for furnishing labor and materials necessary for constructing storm water sewers with manholes and catchbasins on Walnut street, Lexington avenue and Edison street, as shown on plan of Lomita Park said Lomita Park being a division of the north 25 acres of San Joaquin Survey No. 380.

Certified check of 10% payable to City Clerk must accompany each bid.

MARTINEZ, Contra Costa Co., Cal.—James T. Sayles at $134,957 was awarded a contract by the City Trustees for paving the Smith street unit. H. Crummey submitted the next lowest offer at $136,045. The engineer's estimate was $132,103. Three other bids were submitted.

LOS ANGELES, Los Angeles Co., Cal.—Until 10 A. M., February 16, new bids will be received by the Board of Public Works for improving Avenue 50 between Terrace 50 and Baltimore St. by grading and oiling and constructing cement curbs, gutters and sidewalks, wooden retaining wall and reinforced concrete pipe culvert with concrete walls. Ord. 39,692. Only one bid was received for this work under a previous advertisement, this being from E. Schelling at $18,635.20, which was rejected as too high.

MARTINEZ, Contra Costa Co., Cal.—A petition will be presented the County Supervisors in the near future asking the construction of a mile of highway through Rancho El Rio, at Danville. R. R. Arnold is County Engineer.

BERKELEY, Alameda Co., Cal.—Ransome Randall Co., 28th and Poplar Sts., Oakland, has been awarded a contract by the City Council, A. G. Briggs, City Clerk, for the improvement of Allston Way from the east line of Fulton street northerly by grading; constructing concrete curbs and gutters and paving with a 5-in. concrete base, 2-in. asphaltic binder course and 1-in. asphaltic wearing surface.

MARYSVILLE, Yuba Co., Cal.—The Board of Supervisors at its last meeting authorized Postmaster Thomas Fogarty to write the government assuring the postal department that the Supervisors here would build the necessary bridges and improve road conditions relative to the plan of the government to extend rural route No. 1 preparatory to installing a motor rural mail route.

SACRAMENTO, Cal.—The County Supervisors have asked the City Commission to set the stakes for a sidewalk on the Stockton Boulevard, in front of the County Hospital.

SANTA ROSA, Sonoma Co., Cal.—The City Council, has approved plans for the improvement of Tenth street from street from Johnson to Benton and a Mendocino to B streets and Humboldt call for bids will be issued shortly. Vida McL. Doggett is City Clerk.

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by Town Clerk W. A. Price, up to February 16th, 7:30 P. M., for furnishing and delivering f. o. b. Redwood City: 1200 feet of six-inch cast iron water pipe. Class B standard weight.

2200 feet four-inch cast iron water pipe, Class B, standard weight

10 four-inch by four-inch tees.

All cast iron pipe and cast iron specials to be of heavy cast iron, pipe of hub and spigot form and in twelve-foot lengths from bottom of hub to end of spigot, and of standard weight.

Delivery is to be made 30 days after award of contract.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by the County Supervisors, J. H. Wells, County Clerk, up to March 1st, 11 A. M., for constructing a road with a concrete base, on Divisions Nos. 10 and 22 of the Contra Costa Highway of Contra Costa County, which said road lies between the southerly incorporate line of the town of Martinez at Smith street, and runs via Franklin Canyon to the incorporate line of the town of Hercules, a distance of 8.48 miles.

Plans may be had from R. R. Arnold, County Highway Engineer.

GRIDLEY, Butte Co., Cal.—The Libby, McNelll & Libby Interests, who are completing a $300,000 canning plant in this city, has requested the Board of Trustees to pave Virginia street from the cannery site to the rice mill, including construction of sidewalks, etc.

Action was laid over for one week.

OAKLAND, Cal.—Bids will be received by L. W. Cummings, City Clerk, up to February 19th, 12 M., for furnishing and delivering to the City of Oakland corrugated iron pipe and corrugated iron culverts to the City of Oakland for the remainder of the fiscal year ending June 30th, 1920.

Specifications may be seen at the office of the City Clerk.

ALAMEDA, Alameda Co., Cal.—C. E. Hewes, City Manager, has requested the City Council to take steps providing for the construction of the long delayed north side storm sewer system. The Council will make an inspection of the territory in which the proposed sewer will be constructed and early action is promised.

JACKSON, Amador Co., Cal.—Steps providing for the construction of a road between Ione and Jackson will be taken by the County Supervisors in the near future, acting on a petition of residents in that section. Bonds to finance construction were voted at a special election last year but remain unsold.

The proposed road will be twelve miles in length and will cost about $75,000. The intention is to construct a road along new grades where necessary and surface the top with crushed rock or gravel; an asphalt surface to be laid after the earth has become packed.

John R. Huberty is County Clerk.

MARYSVILLE, Yuba Co., Cal.—The County Supervisors, Wm. M. Strief, County Clerk, have received a petition asking the graveling of the road known as Broadway.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by C. E. Daley, City Clerk, up to February 16th, 8 P. M., for the improvement of Las Juntas, Court, Pine, Willow streets, Pacheco Boulevard, Howard, Main, Ward, Green, Thompson, Mellus, Henrietta, Susana, and intersections, by grading; constructing concrete curbs and gutters, and paving with a 3-inch asphaltic concrete base and with a Warrenite-Bitulithic wearing surface 2 inches thick; constructing sewers; installing manholes; culverts, etc.

Separate bids will be received on the same date for similar improvements in portions of Talbart, Main, Escobar, Howard, Castro, Smith, Berrellesa and intersections. Plans and further information may be had from City Clerk Daley.

LONG BEACH, Los Angeles Co., Cal.—City Engineer Albert de Ruiz has been instructed to prepare plans and estimates for a storm sewer system for the entire city. It is expected the system will cost approximately $500,000 and a bond issue will probably be submitted in February or March.

LOS ANGELES, Los Angeles Co., Cal.—Fair-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at $28,372.30 to improve Norton avenue between Third street and Wilshire Blvd., involving 103,554 sq. ft. grading at 3c ft.; 103,554 sq. ft. asphalt paving at 21c ft.; 3014 sq. ft. concrete gutter at 26c ft.; 78 sq. ft. granite block gutter at 65c ft.; stormd rain at $2510 and house connection sewers at $1.75 ft. Other bids were: Geo. R. Curtis, $28,383.40; Geo. H. Oswald, $34,650.90.

SANTA MONICA, Los Angeles Co., Cal.—The City Commission has adopted an ordinance for the opening and widening of Main street to provide a direct boulevard from old Santa Monica to Ocean Park. The improvement will cost $250,000 or more.

GLENDALE, Los Angeles Co., Cal.—H. B. Lynch of Glendale, and Willis S. Jones of Claremont, have been retained as engineers by the City Trustees to have charge of the improvements to the city water system under the $260,000 bond issue recently voted.

KINGMAN, Ariz.—Until 2 P. M., Mar. 1, bids will be received at the office of the Supervisors of Mohave County at Kingman, for constructing the Oatman-Gold Roads highway, federal aid project No. 5, involving 21,395 cu. yds. excavation and incidental drainage structures. Plans and specifications may be obtained from State Engineer Thos. Maddock on deposit of $5. Certified check for 5% required.

BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has appropriated $800 with which to finance the regrading, guttering, curbing, paving with asphalt and sidewalk repairs in the east side of Shattuck avenue between Allston Way and Kittredge street.

YUBA CITY, Sutter Co., Cal.—Bids for the construction of five miles of county highway will be called in the near future by the Sutter County Supervisors, plans for the work having been completed by County Engineer Edward Von Geldern. The stretch will lead past Bogue station to Oswald.

Bids will be taken for various types of pavement. Albert B. Brown is County Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—Two bids were received by the County Supervisors for the construction of the Watsonville-Chittenden road as follows:

William B. Arndt, Chronicle Bldg., San Francisco, $33,429.27.

J. Kann, Oakland, $18,005.

The bids were made on the same specifications, which provide mostly for excavation—17,390 cubic yards. For this work Kann's bid was 67 cents, while Arndt's was $1.50.

Contract was awarded to the low bidder. H. H. Miller is County Clerk.

VALLEJO, Solano Co., Cal.—Plans and specifications for the construction of a new sewer system in the northeast section of the city are being completed by City Engineer T. D. Kilkenny and will be presented to the City Council for approval within the next few weeks.

SAN DIEGO, Cal.—Specifications are being prepared in the Public Works Offices of the twelfth naval district, Timken Bldg., for fender piling and dolphin moorings at the naval fuel depot on Point Loma and bids will be called for within the next few weeks.

OROVILLE, Butte Co., Cal.—The construction of the proposed Bridge Street bridge over the Western Pacific Railroad is being considered by the City Trustees and early action is expected.

LOS ANGELES, Cal.—E. Schelling, Lankershim, Cal., was awarded the contract February 2 at $13,145.65 for improving Cove Avenue between Ivanhoe and first alley east involving 10,980 sq. ft. grading at 71c ft.; 10,980 sq. ft. concrete paving at 34½c ft.; 1073 lin. ft. cement curb at 65c ft., and 2400 sq. ft. cement sidewalk at 20c ft. No other bids received.

SACRAMENTO, Cal.—A petition has been presented to the City Council, M. J. Desmond, City Clerk, urging the immediate re-surfacing of Twenty-third street south of K street. It has been referred to City Commissioner of Streets D. W. Carmichael for report.

SACRAMENTO, Cal.—The following awards have been made by the Advisory Board of the Department of Engineering on February 4, 1920:

To Chas. D. Soteras, Black Bldg., Los Angeles, Calif.:

For the construction of a section of State highway in Inyo County, Division VI Route 23 Section A, (between Indian Creek, about 7.5 miles in length to be graded), $22,467.40.

Engineer's Estimate, $24,762.95.

To Chas. D Soteras, Black Bldg., Los Angeles, Calif.;

For the construction of a section of State Highway in Riverside County, Division VII Route 26 Section G, (between N. E. corner Section 6 T. 7 S., R. 8 E. S B B. & M., and Southerly Boundary, about 14.3 miles in length), $254,938.20.

Engineer's Estimate, $239,359.

FRESNO, Fresno Co., Cal.—Following bids were received by the County Supervisors, Chris. P. Jensen, County Highway Engineer, for paving a section of highway from a point 1½ miles south of Del Rey to Reedley, a distance of 9.54 miles and being unit 19, section B 25, section A and parts of 20 A and B.

Federal Construction Co., 1-3-6 concrete with a Jensenite top, grading, $1,50; concrete work, $14; surfacing 6 cents; culverts, $3,000 and railings, $80.

Specification No. 2, 1-3-6, with Warrenite top, all figures duplicated except for top, which was quoted at .0793 cents.

Specification No. 3, black base with Topeka top, all items same except top, which is figured at .2025 cents.

Specification No. 4, black base with Warrenite top, duplication of figures except top, at .2225 cents.

Hugh Crummey: Specification No. 2, white base with Warrenite, grading, $1,40; base $12; top 11 cents; culverts, $4,000, and railings, $160.

Specification No. 3, black base with Topeka, all items same except top at .275 cents.

Specification No. 4, black base with Warrenite, all items same except top at .265 cents.

A. H. Vaughn: Specification No. 3, black base with Topeka, grading, $1,50; top, 25 cents; culverts, $4,250; railings, $100. All figures duplicated under specification 4.

The engineer's estimates on the work were: Grading, $1,41; concrete work, $11,07 and top .095 cents.

D. M. Barnwell is County Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—Bids will be received by H. H. Miller, County Clerk, up to February 20th, 2 P. M., for the construction of about 6.48 miles of road between Watsonville and Santa Cruz in said County, in accordance with the plans prepared by Lloyd Bowman County Surveyor and acting highway engineer.

Plans may be had from the County Engineer at Santa Cruz.

Cross-section sheets may be obtained from Bashford Smith, Blueprinter, 625 Market St., San Francisco, at cost.

HANFORD, Kings Co., Cal.—The City Trustees at their last meeting adopted plans and specifications of Consulting Engineer E. M. Lynch and passed resolutions of intention providing for the paving of Douty, Harris, Eighth, Phillips, Ninth, Reddington and Porter streets.

Four separate contracts will be made with Warren Bros. for the bitulithic top dressing to be used in the work. D. C. Williams is City Clerk.

WOODLAND, Yolo Co., Cal.—Plans for the Knights Landing unit of the County highway system have been approved by the County Supervisors and bids ordered received up to March 2nd. This is the first stretch of highway planned under the recently voted bond issue for a system of good roads. Asa G. Proctor is County Engineer

WOODLAND, Yolo Co., Cal.—Owing to poor water supply the City Trustees are considering the sinking of an additional well and the installation of turbine pumps to pump directly into the present mains until such time as added high tanks might be constructed. J. H. Laugenour is City Clerk.

SACRAMENTO, Cal.—Specifications for screenings for a stretch of a mile and a half of road near Elk Grove have been adopted by the Supervisors. Bids will be opened February 19 at 2 o'clock in the afternoon. Drury Butler is County Engineer.

REDDING, Shasta Co., Cal.—The City Trustees, Leslie Engram, City Clerk, are planning the paving of Court and Pine streets, four blocks around the Courthouse, Shasta street from Market to California and California street from Shasta to Tehama streets.

While nothing definite regarding the work was done at the last meeting of the City Board it is thought that plans for the work will be ordered at the next session.

PETALUMA, Sonoma Co., Cal.—The City Engineer has been instructed by the City Council to make estimates of cost on the construction of a sewer in Cherry street, same to be submitted at the next meeting. Lyman Green is City Clerk.

PETALUMA, Sonoma Co., Cal.—Bids will be received by Lyman Green, City Clerk, up to February 16th, 7 P. M., for the improvement of Third and Main streets from the east to North city limits. All bids are to be compared on the basis of the engineer's estimate of the quantities of work to be done as follows:

Item 1. 6800 cu. yds. excavation, without classification.

Item 2. 516 lineal feet, 36 inches by 7 inches P. C. C. I. Culvt. and Branches.

Item 3. 188 lineal feet, 26 inches by 7¼ inches P. C. C. I. Culvt. and Branches.

Item 4. 42 lineal feet, 24 inches by 6¼ inches P. C. C. I. Culvt. and Branches.

Item 5. 5852 cu. yds. Class "A." Portland Cement Concrete Pavement.

Item 6. 271 cu. yds. Class "A." Portland Cement Concrete. Bridges and Culverts.

Item 7. 10,950 lineal feet, 6 inches Plain Concrete Curbing.

Item 8. 420 lineal feet, 8 inches Plain Concrete Curbing.

Item 9. 345 lineal feet, 6 inches Concrete curb with steel guard.

The City of Petaluma will furnish the following material:

Reinforcing Steel.

Portland Cement

Sand and coars aggregate for Concrete.

Plans may be had from the engineers Howe & Peters, 21 California St., San Francisco

HOLLISTER, San Benito Co., Cal.—Bids for the construction of a sewer for the San Benito County Canning Company in the vicinity of that company's plant will probably be called at the next meeting of the City Trustees. The sum of $2,050 has been pledged to complete the work.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by the County Supervisors, F. E. Quail, County Engineer, up to 10 A. M., March 3rd, for paving with oil macadam 8.4 miles of road between Ripon and Manteca. The work will cost approximately $87,000.

## FIRE EQUIPMENT

SEBASTOPOL, Sonoma Co., Cal.—A petition is being circulated asking the Trustees to purchase a motor chemical fire engine. It is probable that a bond election will be called to purchase such a machine.

SANTA ROSA, Sonoma Co., Cal.—Two bids were received by the City Council, Vida McL. Doggett, City Clerk, for furnishing and delivering a new combination pumping engine, hose cart and chemical. The bids were from the American La France Co., and the Seagrave Company and were identical: $12,500 for 1000 gallon capacity engine and $12,000 for one of 750 gallon capacity.

Action was laid over for a week.

# Official Proposals.

### NOTICE TO CONTRACTORS.

BOARD OF STATE HARBOR COMMISSIONERS, Union Depot and Ferry House, San Francisco, California, February 7, 1920.

SEALED PROPOSALS or bids will be received at this office **at or prior to 11 o'clock A. M., on Thursday, February 19, 1920,** for furnishing materials and constructing bulkhead wharf in front of Pier 27, connecting the existing bulkhead wharves at Piers No. 25 and No. 29, and constructing a creosote pile connecting wharf between Piers Nos. 25 and 27, on the water front of the City and County of San Francisco, in accordance with the plans and specifications prepared therefor by the Chief Engineer of the Board and adopted by the Board, and on file in this office, to which special reference is hereby made.

The materials to be used in this work shall consist of the requisite quantities of creosoted piles and Portland cement (which will be furnished to the contractor by the Board), Douglas fir lumber, sand, crushed rock and gravel, reinforcing materials, castings, structural steel, rods, bolts, spikes, car springs, etc. All materials used must be of the best of their respective kinds if not especially specified herein. All materials used in the structures will be subjected to a rigid examination and test and if found defective, under size, unsuitable or not as specified, will be condemned and must be immediately removed from the work by the contractor at his expense.

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal, to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within Six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less

than one-half of the amount payable by the terms of the contract, with a corporation thereunto duly authorized by law and commonly known as a surety company, as surety (such surety company to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the office of the Secretary), and conditioned for the faithful performance by the contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done, or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefits of material men, mechanics and laborers as provided by that certain Act of the Legislature of the State of California approved May 1, 1911 (Stats. 1911, p 1422). Said bond must be acceptable to and approved by said Board, both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the office of the Secretary, Room No. 17, Union Depot and Ferry House, at or prior to 11 o'clock A. M., on Thursday, February 19, 1920, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing $10.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelop containing bid:

"Bid for furnishing materials and constructing bulkhead wharf and connecting wharf at Pier 27."

J. H. McCALLUM,
H. H. COSGRIFF,
MILES STANDISH,
Board of State Harbor Commissioners.
FRANK G. WHITE,
Chief Engineer.
HILDA GOHRMAN,
Secretary.

## BIDS WANTED FOR HEATING AND ELECTRICAL WORK.

### NOTICE TO BIDDERS.

SEPARATE SEALED PROPOSALS will be received at the office of the Board of Trustees of the Modesto High School District of Stanislaus County, California, at the High School Building, Modesto, California, between **7:30 P. M. and 8:30 P. M., February 17th, 1920,** for the electrical work for the cafeteria wing, the science wing, and the manual arts building addition to the present high school, and for the heating work for the cafeteria wing, the science wing, and the manual arts building addition to the present high school. Bids will be opened at the end of the latter hour and publicly announced.

Plans and specifications for both divisions of the work may be seen at the office of the Board or at the office of the Architect, John J. Donovan 414 Thirteenth St., Oakland, California. A deposit of $20 will be required as a guarantee of the return of the plans and specifications taken from either office and will be refunded to the contractor when the plans and specifications are returned in good condition.

Bidders will take notice that under no circumstances will proposals be received after the hour specified in this advertisement.

Accompanying each proposal shall be a statement stating the maximum number of working days the bidder will agree to fully complete the work of this contract. This is the essence of the contract and the least maximum time stated to complete the work by bidders will receive full consideration by the Board of Trustees in awarding the contract.

In awarding the contract, bidders will understand that it will be necessary to file two bonds with the contract: One, to the extent of 50 per cent of the amount of the contract for faithful performance of the work; the other, for 50 per cent of the amount of the contract called a lien bond for labor and material. The form of all bonds shall comply with the state laws governing same and is subject to the approval of the district attorney.

Proposals shall be delivered to Kathleen G. Prewett, Clerk of the Board of Trustees, High School District Modesto, California, enclosed in an opaque, sealed envelope addressed to the Board of Trustees, Modesto High School District of Stanislaus County, California. Place on the envelope the name of the bidder and the words: "Bid on Electrical Work for High School Additions" or "Bid on Heating Work for High School Additions."

A certified check of 10 per cent of the amount of the proposal, payable to the High School District of Stanislaus County, California, must accompany each proposal. Should a bidder fail to obtain a bond and sign a contract for the amount of his proposal his check will be forfeited. All checks will be returned to the bidders on application at the office of the clerk of the Board after the contract has been signed and bond furnished by the contractor whose bid has been accepted.

The competency and responsibility of bidders will be considered in making the award. The Board of Trustees reserves the right to reject any or all bids.

Dated this 2nd day of February 1920.
KATHLEEN G. PREWETT,
Clerk, Board of Trustees of the Modesto High School District.

### NOTICE TO CONTRACTORS. SALMON RIVER ROAD.

SEALED PROPOSALS for constructing or improving the Salmon River National Forest Road Project, located within or partly within the Klamath National Forest, State of California, County of Siskiyou, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Building, San Francisco, California, **until 2 o'clock P. M. on the 16th day of February, 1920,** at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The length of project to be constructed or improved is approximately 1 mile, and the principal items of work are approximately as follows:

Clearing and Grubbing, 52 stations.
Excavation, unclassified, 17,000 cubic yards.
Dry Rubble Masonry, 200 cubic yards.
Log Cribbing, 440 square feet.
Timber Bridging, 306 lin. feet.
Corrugated Metal Pipe, 190 lin. ft.
Finishing Earth Road, 1.0 miles.

The work embraced in this contract shall be completed within 150 weather-working days. (page 6).

The contract form and the maps, plans, specifications and estimate of quatities may be examined by responsible contractors at the following addresses:

886 Mills Building, San Francisco, Calif.
After Feb. 1, 1920, District Ranger, Orleans, Calif.
After Feb. 1, 1920, District Ranger, Forks of Salmon, Calif.
After Feb. 1, 1920, Forest Supervisor, Yreka, Calif.
After Feb. 1, 1920, H. F. Ferrill, Eureka, Calif.

All proposals must be made on forms furnished by the District Engineer, Bureau of Public Roads, and in accordance with instructions forming a part of the specifications above referred to.

C. H. SWEETSER,
District Engineer.

## BIDS WANTED FOR CLEARING SITE

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN that the Snow Mountain Water and Power Company will receive at its office, 216 Pine Street, San Francisco, California, **up to 2 o'clock P. M. of February 16th, 1920,** sealed bids for the clearing of the Gravelly Valley reservoir site, in Lake County, California, of all trees, brush, logs, etc., whether alive or dead, standing or fallen. Maps and specifications for the clearing of said reservoir site, are on file in the office of the Snow Mountain Water and Power Company in San Francisco, and Ukiah, California, to which all bidders are hereby referred.

The Company reserves the right to reject any and all bids.

Dated, January 15th, 1920.
SNOW MOUNTAIN WATER AND POWER COMPANY,
By W. S. Graham, General Manager.


# Permutit

Trade Mark Reg. U. S. Pat. Off.

## The Water-Softening FILTER

Makes the Hardest Water Absolutely Soft for Your Home.

What users say about "Permutit"

"I would not be without my Permutit filter for five times what it cost."

"My boy takes entire charge of the Permutit filter."

"We all enjoy the use of this soft water.

"The luxury of a shower or tub bath taken in this water cannot be described in mere words."

San Francisco Phone—Doug. 1530.

Pacific Coast Offices:

484 Wright-Callender Bldg. Los Angeles
220 Sheldon Bldg., San Francisco, Calif.


## BIDS WANTED FOR ALTERATIONS TO SACRAMENTO POST OFFICE, INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 12, 1920.—SEALED PROPOSALS will be opened in this office at **3 P. M., February 18, 1920,** for the extension, remodeling, etc., of the United States Post Office and Court House at Sacramento, Calif. Drawings and specifications may be obtained from the Custodian at Sacramento, Calif., or at this office, in the discretion of the Supervising Architect.

JAS. A. WETMORE, Acting Supervising Architect.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

## BUILDING CONTRACTS

### San Francisco County

| | | | |
|---|---|---|---|
| 267 | Cal. Ink | Hardy | 1850 |
| 268 | Lehner | Swan | 3000 |
| 269 | Arnott | Owner | 2900 |
| 270 | Morblo | Morblo | 8000 |
| 271 | Fleishhacker | Waterbury | 1170 |
| 272 | Bennett | Owner | 3000 |
| 273 | Kirby | Owner | 3000 |
| 274 | Hatter | Palmer | 43500 |
| 281 | Willits | Lettich | 7677 |
| 282 | Claasen | Nelson | 1351 |
| 275 | Tyler | Owner | 16000 |
| 276 | Deckleman | Cohn | 1000 |
| 277 | Sanders | Mitchell | 500 |
| 278 | Roth | Owner | 500 |
| 279 | Groth | Pell | 1106 |
| 280 | Fourth St. Rlty | Owner | 16000 |
| 283 | Ferns | Montgomery | 1500 |
| 284 | Selig | Coggins | 500 |
| 285 | Wamser | Olson | 800 |
| 286 | Laughorn | Campbell | 1100 |
| 287 | Goldmah | Coburn | 500 |
| 288 | Imperial Rlty. | Barrett | 1000 |
| 289 | Oliver | Owner | 2000 |
| 290 | Holmes | Malloch | 5000 |
| 291 | Eradley | Morton | 6600 |
| 292 | Rosenfeld | MacDonald | 10000 |
| 293 | Erickson | Owner | 10000 |
| 294 | Goss | Owner | 10000 |
| 295 | Dravillas | Owner | 500 |
| 296 | Krotovzyner | Koenig | 7500 |
| 297 | Schmidt | Watts | 9510 |
| 298 | Same | Henderson | 5456 |
| 299 | Bercovich | Martin | 3388 |
| 300 | Peterson | Welsh | 12000 |
| 301 | Higgins | Owner | 6000 |
| 302 | Meyer | Marsden | 1000 |
| 303 | Zeh | Owner | 600 |
| 304 | Keruiff | Stockholm | 500 |
| 305 | Real Tply. | Grace | 500 |
| 306 | Gerhard | Spirz | 2600 |
| 307 | Anderson | Anderson | 12000 |
| 308 | Krotoszyner | Fenig | 7585 |
| 309 | Metropolitan | Furlong | 189000 |
| 310 | Barron | Home Mfg. | 987 |
| 311 | Curtaz | Owner | 10000 |
| 312 | Leong | Swenson | 775 |
| 313 | Holt | Owner | 500 |
| 314 | Breyer | Owner | 500 |
| 315 | Bullwinkel | Berand | 500 |
| 316 | Schmidt | Owner | 2145 |
| 317 | Nelson | Owner | 3500 |
| 318 | Aerlily | Meyer | 1600 |
| 319 | Becker | Rollin | 4610 |
| 320 | Klopstock | Spargo | 23250 |
| 321 | Meyerstein | Fay | 41171 |
| 320 | Oyen | Owner | 8000 |
| 324 | Long | Long | 800 |
| 322 | Grasso | Mitchell | 550 |
| 323 | Hyde | Ellingson | 900 |
| 324 | Schmidt | Gerr | 724 |
| 325 | Union Oil | Union Oil | 6000 |
| 326 | Bruce | Rouleau | 975 |
| 327 | Hart | Denke | 645 |
| 328 | Montenegro | Martin | 1500 |
| 329 | Austin | Todhunter | 1500 |
| 330 | Horton | James | 2610 |
| 331 | Same | Lyden | 6600 |
| 332 | Haag | Mager | 4500 |
| 333 | Desimore | Moriano | 1100 |
| 334 | Weissbein | Meyer | 5320 |
| 335 | Berger | Mullen | 6950 |
| 336 | Casassa | Owner | 800 |
| 337 | Lapham | Owner | 8000 |
| 338 | Hadeler | Munster | 1200 |
| 339 | S. F. Examiner | Cress | 500 |
| 340 | Zwierlein | Koldenstradt | 4900 |
| 341 | Hoffman | Johnson | 21300 |

### PERMITS.

(267) SE BATTERY AND MERCHANT. Remove plaster partitions and make general alterations for offices and lofts.
Owner—California Ink Co., 33 Clementina St., San Francisco.
Architect—None.
Contractor—W. M. Hardy, 212 9th Ave., San Francisco.
COST, $1850

(268) S HOWARD 111 W Seventh. One-story frame shop.
Owner—F. W. Lehner, 765 Folsom St., San Francisco.
Architect—None.
Contractor—Swan the Painter, 765 Folsom St., San Francisco.
COST, $3000

(269) S MEDA 80 W Otsego. One-story and basement frame residence.
Owner—Jas. Arnott, 2223 19th Ave., San Francisco.
Architect—None.
COST, $2900

(270) N OCEAN AVE. 102-6 E Faxon. One-story frame (6) stores.
Owner—Adolph and Carlo S. Morblo, 729 Call Bldg., San Francisco.
Designers and Builders—Adolph Morblo (Mechanical Engineer), 729 Call Bldg., San Francisco.
COST, $8000

(271) NO. 401-19 SECOND ST. Construct mezzanine floor.
Owner—A. Fleishhacker. Premises.
Architect—None.
Contractor—Waterbury & Anderson., 17 St. Anne St., San Francisco.
COST, $1170

(272) E TWENTY-SEVENTH AVE. 25 N Anza. One-story and basement frame dwelling.
Owner—Joe Barrett, 175 Grove St., San Francisco.
Architect—None.
COST, $3000

(273) E TWENTY-SEVENTH AVE. 50 N Anza. One-story and basement frame dwelling.
Owner—J. Kirby, 2175 Grove St., San Francisco.
Architect—None.
COST, $3000

### RECORDED.

(281) COM. 306-2 S Islais and 370 E Third S 100xE 100. Pipe, fittings, valves and supports for 8 vegetable oil storage tanks.
Owner—Willits & Patterson, 1 Drumm St., San Francisco.
Engineer—C. A. Watts, 24 California, San Francisco.
Contractor—J. M. Lettich, Monadnock Bldg., San Francisco.
Filed Feb. 2, '20. Dated Jan. 31, '20.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $7677
Bond, $7677. Surety, Globe Indemnity Co. Limit, 50 days. Forfeit, none. Plans and specifications filed.

(282) SE MISSION AND MOHAWK. All work for alterations and additions to building.
Owner—Mary J. Claasen, 1193 Pine St., San Francisco.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
Contractor—Martin Nelson, 51 Seville St., San Francisco.
Filed Feb. 2, '20. Dated Jan. 24, '20.
Roof on .....$675
Completed and accepted..... 338
Usual 35 days..... 338
TOTAL COST, $1351
Bond, $——. Sureties, Albin Warden and H. J. Hansen. Limit, 21 days after Jan. 20, 1920. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 27, 1920, No. 208

(274) N PINE 115 W Leavenworth. Two-story reinforced concrete (public) garage.
Owner—J. W. Hatter, 745 Market St., San Francisco.
Architect—None.
Contractor—Palmer & Petersen, 782 Monadnock Bldg., San Francisco.
COST, $43,500

(275) S LAKE 82-6 and 107-6 E 21st Ave. Two two-story and basement frame (2) flats each.
Owner—Percy D. Tyler, 1438 Cabrillo, San Francisco.
Architect—None.
COST, $8,000 each

(276) W MASON 60 N Eddy. New store front.
Owner—H. Deckleman, 48 Turk, St., San Francisco.
Architect—None.
Contractor—Louis J. Cohn, 625 Market, San Francisco.
COST, $1000

(277) SW POTRERO AND TWENTY-second. Concrete foundation and floor.
Owner—Sanders & Schelb, 1000 Potrero Ave., San Francisco.
Architect—None.
Contractor—Thomas Mitchell, 1370 Utah, San Francisco.
COST, $500

(278) W SCOTT 150 S Haight. Construct concrete walls, metal lath and plaster ceiling, etc., for auto repair shop.
Owner—Arthur Roth, 801 Haight St., San Francisco.
Architect—None.
COST, $500

(279) NO. 1900 SUTTER ST. General alterations and repairs for grocery store.
Owner—Mrs. W. Groth, 1703 Webster, San Francisco.
Architect—None.
Contractor—Cost Pell, 1905 1-2 Divisadero, San Francisco.
COST, $1500

(280) S HARRISON 200 E Fourth. One-story Class "C" brick warehouse.
Owner—Fourth Street Realty Co., care architects.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
COST, $16,000

### PERMITS.

(283) NE CAPP AND TWENTY-fifth. Raise present rear floor and alter for basement garage.
Owner—Mrs. Wm. Ferns, 1012 Capp St., San Francisco.
Architect—None.
Contractor—E. J. Montgomery, 1320 Broadway, San Francisco.
COST, $1500

(284) NW FULTON AND VAN NESS Ave. Change entrance front, erect partitions, etc., for store.
Owner—Selig Estate (St. James' Hotel Co.), Premises.
Architect—None.
Contractor—L. M. Coggins, 115 Turk St., San Francisco.
COST, $500

(285) SW FRANKLIN AND PAGE Sts. New front, tile flooring, etc., for lunch counter.
Owner—Louis Wamser, Premises.
Architect—None.
Contractor—A. Olson., 289 Fell St., San Francisco.
COST, $800

(286) NO. 618 GOLDEN GATE AVE. Repair fire damage to store and dwelling.
Owner—J. P. Laughorn, Hobart Bldg., San Francisco.
Architect—None.
Contractor—Mark Campbell & Son, 1709 Turk St., San Francisco.
COST, $1100

(287) NO. 1641 LAKE ST. Replace exterior rustic where damaged by fire for flats.
Owner—Hein Goldman, 1641 Lake St., San Francisco.
Architect—None.
Contractor—Chas. Coburn, 180 Jassle St., San Francisco.
COST, $500

(288) MANILA AND GRANT AVE. Change store front and mezzanine floor for department store quarters.
Owner—Imperial Realty Co., care architect San Francisco.

Architect—G. A. Lansburg, 709 Mission St., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, $1600

(289) TO. 136 MASON ST. Cement floor, painting, plumbing and general alterations for restaurant.
Lessee—Wm. Oliver, 121 Powell St., San Francisco.
Architect—None.
COST, $2600

(290) NO. 239 POWELL ST. New store front, stairs to basement, add toilet and lounge rooms.
Owner—S. E. Holmes, care architect.
Architect—H. P. Vollmer, Flood Bldg., San Francisco.
Contractor—J. S. Malloch, 180 Jessie St., San Francisco.
COST, $5000

(291) W SANTA ANA AVE. 235 S Portola Drive. Carpentry, painting, plastering and minor additions for residence.
Owner—C. W. Bradley, Mills Bldg., San Francisco.
Contractor—J. M. Morton, 180 Jessie St., San Francisco.
COST, $6600

(292) W THIRD 220 N Brannan. One-story brick warehouse.
Owner—John Rosenfeld & Sons, 907 Rialto Bldg., San Francisco.
Architect—G. Albert Lansburg, M. A. Gunst Bldg., San Francisco
Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.
COST, $40,000

(293) NW TENTH AVE. AND ANZA. Two-story and basement frame (4) flats.
Owner—Ernest Erickson, 972 Plymouth Ave., San Francisco.
Architect—W. W. Mohr, 110 Sutter St., San Francisco.
COST, $10,000

(294) E TULARE 100 N Pennsylvania. Frame hay warehouse.
Owner—Chas. E. Goss & Son, Merchants' Exchange Bldg., San Francisco.
Architect—A. Reinhold Denke, 1087 Market St., San Francisco.
COST, $10,000

(295) NO. 29 THIRD ST. New front and make general changes and repairs for restaurant.
Owner—J. Dravillas, 25 Third St., San Francisco.
Architect—None.
COST, $500

(296) NE POLK AND PINE. One-story frame cafeteria.
Owner—Mrs. M. Krotovzyner, 997 Sutter St., San Francisco.
Architect—Herman Barth, 938 Phelan Bldg., San Francisco.
Contractor—Chas. J. U. Koenig, 110 Jessie St., San Francisco.
COST, $7500

(297) SECOND AND BRYANT. Electric work for addition to plant.
Owner—Schmidt Lithograph Co., Prem. Manager of Construction—Frederick Whitton, 369 Pine St., San Francisco.
Contractor—Watts Electric Co., 133 4th St., San Francisco.
Filed Feb. 3, '20. Dated Jan. 26, '20.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $9510
Bond, $4800. Surety, London & Lancashire Indemnity Co. Limit, as required Forfeit, $10. Plans and specifications filed.

(298) CARPENTRY AND MILL WORK on above.
Contractor—W. D. Henderson, Monadnock Bldg., San Francisco.
Filed Feb. 3, '20. Dated Jan. 2, '20.
Payments same as above.....
TOTAL COST, $55,456
Bond, none. Limit, as required. Forfeit, $15. Plans and specifications filed.

**RECORDED.**

(299) NW EMBARCADERO & SACRAMENTO. All work for remodeling portion of ground floor of building (store).
Owner—H. Bercovich Cigar Co., 501 Montgomery St., San Francisco.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—W. M. Martin, 110 Sutter St., San Francisco.
Filed Feb. 3, '20. Dated Feb. 2, '20.
Completed and accepted..... ¾
Usual 35 days..... ¼
TOTAL COST, $3383
Bond, none. Limit, March 5, 1920. Forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today.

**PERMITS.**

(300) W BRODERICK 40 AND 65 N Golden Gate. Two two-story and basement frame (2 in each) flats.
Owner—Edwin T. Peterson, 8th and Hooper Sts., San Francisco.
Architect—None.
Contractor—James Welsh, 2010 Balboa St., San Francisco.
COST, $6,000 each

(301) S CALIFORNIA 95 W Palm Ave. Two-story and basement frame (2) flats.
Owner—C. W. Higgins, 1306 Shrader St., San Francisco.
Architect—None.
COST, $6,000

(302) NO. 1704 FELL ST. Change present flat into two apartments.
Owner—Mr. Meyer, 1702 Fell St., San Francisco.
Architect—None.
Contractor—J. W. Marsden, 507 Cole St., San Francisco.
COST, $1000

(303) 3878 JACKSON ST. Underpin and erect one-story concrete garage (private).
Owner—Louis Zeh, 3878 Jackson St., San Francisco.
Architect—F. S. Holland, 1629 Folsom St., San Francisco.
COST, $600

(304) SW PACIFIC AND WALNUT. Install doors and lower basement floor.
Owner—T. Kerulff, Premises.
Architect—B. G. McDougall, Alco Bldg., San Francisco.
Contractor—Chas. Stockholm & Sons, Monadnock Bldg., San Francisco.
COST, $500

(305) 152 SUTTER ST. Change store front.
Owner—Real Property Rebuilding Co., First National Bank Bldg., San Francisco.
Architect—None.
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.
COST, $500

(306) NO. 2491 SAN BRUNO AVE., Grading, new floor, etc., for residence.
Owner—Frank Gerhard, 2491 San Bruno Ave., San Francisco.
Architect—None.
Contractor—Gustav Spirz, 56 Langton St., San Francisco.
COST, $2600

**RECORDED.**

(307) LOTS 8 AND 9 BLK 3164, Westwood Park. All work for two one-story frame bungalows.
Owner—Hilding Anderson, 1858 Fell St., San Francisco.
Architect—Herman C. Baumann, 251 Kearny St., San Francisco.
Contractor—Anderson & Johnson, 47-A Landers St., San Francisco.
Filed Feb. 4, '20. Dated Jan. 15, '20.
Enclosed .....$3000
Brown coated ..... 3000
Completed and accepted..... 3000
Usual 35 days..... 3000
TOTAL COST, $12,000
Bond, $6000. Sureties, Thos. Leonard and Chas. Monson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(308) NE POLK AND PINE N 20xE 62-6. All work for one-story and basement frame building (cafeteria).
Owner—Estate of M. Krotoszyner, 997 Sutter St., San Francisco.
Architect—Hermann Barth, Phelan Bldg., San Francisco.
Contractor—Chas. J. U. Koenig, 110 Jessie St., San Francisco.
Filed Feb. 4, '20. Dated Feb. 4, '20.
1st floor joists set.....$1800.00
Interior and exterior painting completed ..... 1800.00
Completed and accepted 2088.50
Usual 35 days..... 1896.50
TOTAL COST, $7585.00
Bond, $3793. Sureties, William Koenig and Wm. A. Newsom. Limit, 60 days after recording contract. Forfeit, $5. Plans and specifications filed.
NOTE:—Permit reported Feb. 4, 1920, No. 296.

**PERMITS.**

(309) SE CALIFORNIA AND STOCKTON. Alterations to present Class A office Bldg. Steel frame, reinforced concrete walls, etc.
Owner—Metropolitan Life Insurance Co., 600 Stockton St., San Francisco.
Architect—J. R. Miller, 213 Lick Bldg., San Francisco.
Contractor—James Furlong, Monadnock Bldg., San Francisco.
COST, $189,000

(310) NOS. 119-121 ELLIS ST. Install two show windows and mezzanine floor for soft drink place.
Owner—David Barren, Premises.
Architect—None.
Contractor—Home Manufacturing Co., 543 Brannan St., San Francisco.
COST, $987

(311) SW GOLDEN GATE AVE. AND Franklin. One-story and basement concrete auto salesroom.
Owner—O. H. Curtaz, 521 Hayes St., San Francisco.
Architect—None.
COST, $40,000

(312) NO. 531 GRANT AVE. Alterations for store front, change vestibule and entrance.
Owner—C. F. Leong, New China Hotel, 855 Clay St., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 115 Natoma St., San Francisco.
COST, $775

(313) NO. 1111 GOUGH ST. Excavate basement of dwelling.
Owner—O. C. Holt, 110 Jessie St., San Francisco.
Architect—None.
COST, $500

(314) NO. 655 LONDON ST. Addition of four rooms to dwelling.
Owner—Wm. J. Dreyer, 655 London St., San Francisco.
Architect—None.
COST, $500

(315) NO. 1301-1303 POWELL ST. Change front, show windows, etc, for refreshment stand.
Owner—J. F. Bullwinkel, 2733 San Jose Ave., San Francisco.
Architect—None.
Contractor—B. Berand, 915 Pacific St., San Francisco.
COST, $500

(316) S WALLER 81-3 E Steiner. One-story brick auto repair shop.
Owner—A. Schmidt, 186 Bateman St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
COST, $3 975

(317) E MADRONE 150 S Filoa Two-story and basement frame dwelling.
Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $3500

(318) E NINETEENTH AVE. 200 N Cabrillo. One-story and basement frame residence.
Owner—A. Aerlihy
Architect—None.
Contractor—Meyer Bros., 2628 Anza St., San Francisco.
COST, $1600

**RECORDED.**

(319) NE BALBOA AND THIRTY-second Ave. E 25xN 75. All work for a one-story frame dwelling.
Owner—George J. Becker, George A. Becker and Geo. A. Bertram, Clement and 6th Ave., San Francisco.
Architect—None.
Contractor—Theodore G. and Rollin E. Meyer, 2628 Anza St., San Francisco.
Filed Feb. 5, '20. Dated Jan. 28, '20.
Frame up .....$1152.50
Brown coated ..... 1152.50
Completed and accepted ..... 1152.50
Usual 35 days ..... 1152.50
TOTAL COST, $4610
Bond Sureties Forfeit none. Limit 160 days. Plans and specifications filed.

NOTE: Permit reported Jan. 30, 1920, No. 240.

(320) E CAPP 150 N 18th N 110xE 122-6. All work except plumbing and electrical work for a one-story brick building and one-story addition to present building (furniture factory).
Owner—Klopstock Brothers, 18th and Capp Sts., San Francisco.
Architect—Mel I. Schwartz, Nevada Bank Bldg., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco.
Filed Feb. 5, '20. Dated Feb. 3, '20.
Concrete footings and excavation completed .....$5816.50
Roof boards on ..... 5812.50
Completed and accepted .... 5812.50
Usual 35 days ..... 5812.50
TOTAL COST, $23,250
Bond, $11,625. Sureties, E. P. Shortall and John Hayden. Forfeit, none. Limit, 80 days. Plans and specifications filed.
NOTE: Permit also applied for today.

(321) ULLOA AND KENSINGTON Way and interiors of Blocks 2975, 2988 and 2989 Claremont Court. All street work, sewering and grading.
Owner—Alfred L. Meyerstein, 485 California St., San Francisco.
Engineer—Punnett & Parez, 333 Kearny St., San Francisco.
Contractor—Fay Improvement Co., Phelan Bldg., San Francisco.
Filed Feb. 4, '20. Dated Jan. 30, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $41,171.67
Bond, none. Limit, 120 working days. Forfeit, none. Specifications only filed.

**PERMITS.**

(320) SW ANZA AND TWENTIETH Ave. Two-story and basement frame (4) flats.
Owner—O. M. Oyen and P. Midbust, 131 Mangels Ave., San Francisco.
Architect—None.
COST, $8000

(321) NO. 1 BRODERICK ST. Addition of two rooms to dwelling.
Owner—Dr. S. F. Long, No. 1 Broderick St., San Francisco.
Architect—C. N. Miller, New Call Bldg., San Francisco.
Contractor—Jas. Long, Premises.
COST, $800

(322) NO. 500 BROADWAY. Change front, etc., for cigar store.
Owner—A. Grasso, 895 Union St., San Francisco.
Architect—None.
Contractor—T. A. Mitchell, 1370 Utah St., San Francisco.
COST, $550

(323) NO. 2621 DIVISADERO ST. Alterations for basement garage.
Owner—Wm. Hyde, 404 Post St., San Francisco.
Architect—None.
Contractor—E. Ellingson, 110 Jessie St., San Francisco.
COST, $900

(224) NE ELLIS AND LEAVENworth. Construct concrete wall and cut sidewalk.
Owner—J. Schmidt, 12 Geary St., San Francisco.
Architect—None.
Contractor—Kerr & McLean, 180 Jessie St., San Francisco.
COST, $724

(325) NE FUNSTON AVE. AND Geary. One-story steel service station.
Owner—Union Oil Company of California, Union Oil Building, Los Angeles.
Architect—None.
COST, $6,000

(326) NO. 2546 JACKSON ST. (rear). One-story frame (private) garage.
Owner—Robert Bruce, 2546 Jackson St., San Francisco.
Architect—None.
Contractor—C. L. Rouleau, 7 Moss Ave., Oakland, Calif.
COST, $975

(327) SE LAKE AND EIGHTEENTH Ave. Repair fire damage to apartments.
Owner—Mrs. A. J. Hart, 1247 Masonic Ave., San Francisco.
Architect—None.
Contractor—E. H. Denke, 1317 Hyde St., San Francisco.
COST, $645

(328) NO. 93 THIRD ST. New store front and fittings.
Owner—A. C. Montenegro, 93 Third St., San Francisco.
Architect—None.
Contractor—Wm. Martin, 110 Jessie, San Francisco.
COST, $1500

(329) W FORTY-SECOND AVE. 150 N Anza. One-story and basement frame dwelling.
Owner—Mrs. Estes Austin, 1120 Jackson St., San Francisco.
Architect—None.
Contractor—Geo. C. Todhunter, 442 29th Ave., San Francisco.
COST, $1500

**RECORDED.**

(330) SW FOURTEENTH AVE AND Balboa S 88-6xW 133. Plumbing work for two-story frame dwelling and one story garage.
Owner—Charles C. Horton, 9 Main St., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—James & Drucker, 450 Hayes St., San Francisco.
Filed Feb. 6, '20. Dated Jan. 14, '20.
Roughed in .....$ 400
Completed and accepted..... 1557
Usual 35 days..... 653
TOTAL COST, $2610
Bond, $1305. Sureties, James H. Pinkerton and Herman Lawson. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(331) INTERIOR AND EXTERIOR lathing and plastering and all ornamental cast cement work and ornamental staff work on above.
Contractor—Lyden & Bickel, 269 Fell St., San Francisco.
Filed Feb. 6, '20. Dated Jan. 14, '20.
Interior and exterior lathing done .....$1000
Interior and exterior brown coated ..... 1950
Completed and accepted..... 2000
Usual 35 days..... 1650
TOTAL COST, $6600
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

(332) N FOURTEENTH 161-8 E Howard 38-3x120. All work for one-story private garage.
Owner—W. Haag, 73 Erie, San Francisco.
Architect—None.
Contractor—Mager Bros., 1318 Valencia St., San Francisco.
Filed Feb. 5, '20. Dated Feb. 5, '20.
Roof on .....$2500
Completed ..... 2000
TOTAL COST, $4500
Bond, none. Limit, 60 days from Feb. 6. Forfeit, none. Plans only filed.
NOTE: Permit also applied for today

(333) E FAIR OAKS 183 N 24th; No. 261 Fair Oaks. All work for raising and repaing building.
Owner—Nick Desimore, Premises.
Architect—None.
Contractor—L. Ronco and F. Moriano, 38 Lippard St., San Francisco.
Filed Feb. 5, '20. Dated Jan. 10, '20.
House raised and forms in concrete .....$275
Foundations in, walls leading from sidewalk to entrance in.... 275
Completed ..... 275
Usual 35 days..... 275
TOTAL COST, $1100
Bond, none. Limit, 30 days. Forfeit, $50. Plans and specifications, none.
NOTE. Permit reported Jan. 21, 1920, No. 149.

(334) S GEARY 82-6 E Twelfth Ave E 25xS 100. All work for one-story concrete repair shop.
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.
Architect—None.
Contractor—Theodore G. Meyer and Rollin E. Meyer, 2628 Anza St., San Francisco.
Filed Jan. 5, '20. Dated Jan. 15, '20.
Walls up .....$1330
Roof on, carpenter, plumbing and wiring done ..... 1330
Completed and accepted..... 1330
Usual 35 days..... 1330
TOTAL COST, $5320
Bond, $2660. Surety, Anna Meyer. Limit, 60 days after Jan. 18. Forfeit, $5. Plans and specifications filed.
NOTE:—Permit reported Jan. 23, 1920, No. 170.

(335) NO. 856 MARKET. All work for alterations and additions to store
Owner—Nat. and Sam Berger (as Bergers), Premises.
Architect—N. P. Vollmer, Flood Bldg., San Francisco.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco.
Filed Feb. 5, '20. Dated Jan. 20, '20.
On 15th and 30th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $6950
NOTE:—Permit reported Jan. 23, 1920, No. 174.
Bond, limit, forfeit, none. Plans and specifications filed.

(336) NW COLUMBUS AND FILBERT Sts. Alterations for store.
Owner—D. J. Cassassa, care architect.
Architect—P. Righetti, 668 Phelan Bldg., San Francisco.
COST, $800

(337) E THIRTY-SECOND AVE. 25 N Geary. Two-story and basement frame residence.
Owner—A. R. Lapham, 485 36th Ave., San Francisco.
Architect—None.
Day's work. COST, $8,000

(338) NW MISSION AND SEVENteenth. General alterations for drug store.
Owner—C. Hadeler, 2094 Mission, San Francisco.
Architect—None.
Contractor—Munster & Bornholdt, 1530 Broderick, San Francisco.
COST, $1200

(339) NE STEVENSON AND THIRD. Alter basement for storage rooms.
Owner—S. F. Examiner, Third and Market, San Francisco.
Architect—None.
Contractor—Frank H. Cress, 180 Jessie St., San Francisco.
COST, $500

(340) NOS 25 TO 27, SOUTH PARK. Addition of two stories Class C to present two-story brick warehouse.
Owner—C. Zwierlein, 1624 Grove St., San Francisco.
Architect—None.
Contractor—Fred Koldenstradt, 180 Jessie St., San Francisco.
COST, $4900

**RECORDED**

(311) S McALLISTER 27-6 W Gough W 27-6xS 137-6. Razing present building, excavation and erection of a two-story and basement brick bldg.
Owner—S. Hoffman, Premises.
Architect—Mel I. Schwartz, 1202 Nevada Bank Bldg., San Francisco.
Contractor—J. M. Johnson, 1600 California St., San Francisco.
Filed Feb. 7, '20. Dated Feb. 6, '20.
Excavation done and concrete walls poured .....$4000
Tar and gravel roof laid..... 7000
Completed and accepted..... 5300
Usual 35 days..... 5000
TOTAL COST, $21,300
Bond, $10,650. Sureties, E. H. Argeltinger and R. P. Jordan. Limit, 90 days. Forfeit, $5. Plans and specifications filed.
NOTE:—Permit also applied for today.

## COMPLETION NOTICES

### San Francisco County

Jan. 31, 1920—NO. 263 CLAREMONT Blvd. Ptn Lots 3 and 4 Blk 2986, Claremont Court. John J Binet Co and Alfred Friedman to whom it may concern.....Jan. 17, 1920
Jan. 31, 1920—E MISSION 250 S 16th 25x210. A Cohen to Frank J Reilly .....Jan. 20, 1920
Jan. 31, 1920—W PLYMOUTH AVE dist 5,730 S from NE Cor. Lot 11 N 84 deg. 16 min. 53 sec. W 92.450 N 35.823 S 85 deg 47 min. 58 sec. E 99.079 S 38.460 Ptn Lots 9 to 11 Blk 3177, Westwood Park. Hans Nelson to Nelson Bros .....Jan. 30, 1920
Feb. 2, 1920—E WESTWOOD DRIVE 14 S from N line Lot 26 S 44 N 87 deg. 36 min 59 sec. E 113.629 N 0 deg 24 min W 40 S 89 deg. 08 min. 44 sec. N 105.034 Ptn Lots 25 to 27 Blk 2165, Westwood Park. E R Rogers to Olaf Olsen ...Jan. 30, 1920

Feb. 2, 1920—LOT 10 BLK 17, Forest Hill. Regina Marshall to J Prout .....Jan. 27, 1920

Feb. 2, 1920—S POST 137-6 W Hyde W 65 S 120 E 40 S 17-6 E 25 N 137-6. Jackson R Myers to whom it may concern.....Feb. 2, 1920

Feb. 2, 1920—NW TWENTY-EIGHTH Ave and California N 31xW 112-6. Harry B Allen to whom it may concern.....Jan. 24, 1920

Feb. 3, 1920—NE OLIVE AND VAN Ness Aves 60x109; Nos. 930 to 942 Van Ness Ave. E L Goldstein Co to Mission Concrete Co.....Jan. 31, 1920

Feb. 2, 1920—NW HOWARD 423 NE Second NE 90xNW 165. Waterhouse & Lester Co to Alfred H Vogt..... .....Jan. 22, 1920

Feb. 3, 1920—N CLAY 167-6 E Kearny E 53-9xN 108-9. Commercial Centre Realty Co to Del Favero & Rasori.....Feb. 3, 1920

Feb 3, 1920—N TARAVAL 32-6 W 34th Ave W 50x100. Parkside Realty Co to H C Keenan....Jan. 28, 1920

Feb. 3, 1920—E THIRTY-FOURTH Ave 150 S Taraval S 50x120. Parkside Realty Co to H C Keenan... .....Jan. 28, 1920

Feb. 4, 1920—W MISSION 198-13 S Ocean Ave S 25xW 100 Lot 7 Blk 1, P A MacDonald Sub West End Map 1. Gaspari Colichia to A Sorbi.....Jan. 26, 1920

Feb. 4, 1920—E JUNIPER 250 S Folsom 37-6x80. United States Metal Products Co to Samuel Schell .....Jan. 31, 1920

Feb. 5, 1920—W POLK 60 S O'Farrell S 30xW 97. Louis D Stoff to whom it may concern.....Feb. 4, 1920

Feb. 5, 1920—S POST 87-6 E Larkin E 100xS 137-6. Jacob Gietzen to Louis Fontanella, Gullfoy Cornice Works, Rich J H Forbes, G E Whitmore, Edward L Soule Co, James & Drucker and H S Tittle..Feb. 2, 1920

Feb. 6, 1920—N LOMBARD 137-6 W Sansome W 137-6x137-6. Edward G Zeile to S & G H Walker..... .....Jan. 28, 1920

Feb. 6, 1920—NW GEARY AND FIFteenth Ave W 30xN 100. George B Tsagalakis to Louis Fontanella.... .....Jan. 31, 1920

Feb. 6, 1920—S HAYES 100 E Van Ness Ave E 136xS 157. Minnie P Shotwell to whom it may concern .....Jan. 31, 1920

### LIENS FILED.

**San Francisco County.**

Feb. 6, 1920—N UNION 137-6 W Steiner. C C Severin vs Anna and John C Hladik.....$330

## BUILDING CONTRACTS

### Alameda County

| | | | |
|---|---|---|---|
| 251 | S. F & O. T. | Owner | 495 |
| 252 | Snyder | Weider | 1000 |
| 253 | Scheetline | Bay | 500 |
| 254 | Kaiser | Kaiser | 900 |
| 255 | S P R R | Imp Mfg | 1137 |
| 256 | Nelson | Wright | 1000 |
| 257 | Magnovox | Okd Sign | 400 |
| 258 | Nichols | Owner | 400 |
| 259 | Mogk | Owner | 2500 |
| 260 | Keller | MacGregor | 4050 |
| 261 | Muller | Smith | 468 |
| 262 | Rlty Union Co | Burks | 31500 |
| 263 | Young | Owner | 4800 |
| 264 | Hagan | Schnebly | 550 |
| 265 | Marquis | Owner | 4800 |
| 266 | Lewis | Anderson | 485 |
| 267 | Betting | Corbett | 475 |
| 268 | Heath | Baughman | 4000 |
| 269 | Dryden | Vaughan | 3500 |
| 270 | Hoge | Schwalm | 1688 |
| 271 | Lyons | Bay City | 500 |
| 272 | Dalziel | Palmer | 120000 |
| 273 | Hally | Fish | 5000 |
| 274 | Thompson | Swenson | 600 |
| 275 | Haney | Rule | 7000 |
| 276 | Brazier | Brazier | 2950 |
| 277 | Block | Block | 4000 |
| 278 | Goodban | Owner | 600 |
| 279 | Pine | Baccus | 450 |
| 280 | Watson | Moore | 10000 |
| 281 | Nelson | Nelson | 2500 |
| 282 | Page | Sea | 3000 |
| 283 | Western Elec | Thornalley | 50000 |
| 284 | Clemonsen | Anderson | 450 |
| 285 | Campbell | Duval | 485 |
| 286 | Gordon | Rankin | 500 |
| 287 | Steel | Parker | 4460 |
| 288 | O'Brien | Goth | 5850 |
| 289 | Kemp | Hopper | 4850 |
| 290 | Moyle .. | Owner | 600 |
| 291 | Logan | Bellefontaine | 8000 |
| 292 | Hizar | Hawkins | 445 |
| 293 | Gregory | Barnett | 13000 |
| 294 | Pac. Coast Rattan .. | Olson | 10623 |
| 295 | Better Pack | Bruce | 8800 |
| 296 | Healy | Owner | 2500 |
| 297 | Univ. App. Co | Owner | 2000 |
| 298 | Werner | Werner | 2500 |
| 299 | Kern | Owner | 6800 |
| 300 | Whitney | Houck | 5000 |
| 301 | Lum | Littlefield | 500 |
| 302 | Lakeside | Strang | 7500 |
| 303 | Western Elec | Thornalley | 52362 |
| 304 | Kemp | Hopper | 5200 |

(251) W TELEGRAPH AVE, bet. 50th and 51st Sts., Oakland. Alterations.
Owner—S. F. & O. T. Railway.
Architect—None.
Day's work. COST, $494

MILL

(252) NW THIRTIETH AND SAN Pablo Ave., Oakland. One-story mill
Owner—F. H. Snyder, Premises.
Architect—None.
Contractor—H. H. Weider, 530 Jones St., Oakland.
COST, $1000

(253) NO. 400 FOURTEENTH ST., Oakland. Alterations.
Owner—Louis Scheeline, Premises.
Architect—None.
Contractor—Bay City Cabinet Co., 1080 5th St., Oakland.
COST, $500

(254) NO. 1530 FORTY-FIRST AVE., Oakland. Alterations.
Owner—Mana T. Kaiser, Premises.
Architect—None.
Contractrr—Geo. W. Kaiser, 2489 Hollis St., Oakland.
COST, $900

(255) ALAMEDA PIER. All work for applying Argentine Quebracho waterproofing to roof station.
Owner—S. P. Railroad.
Architect—None.
Contractor—Imp Mfg. Co., Ltd., Plaza Bldg., Oakland.
Filed Feb. 2, '20. Dated Jan. 5, '20.
Each month ..... 75%
Usual 35 days..... 25%
TOTAL COST, $1137.50
Bond, $900. Surety, Globe Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications, none.

(256) NO. 1735 BUSHNELL, Berkeley. Garage.
Owner—E. M. Nelson, Premises.
Architect—None.
Contractor—Wright & McGeity, 2127 Kittridge, Berkeley.
COST, $1000

(257) S E-FOURTEENTH opp. 27th Ave., Oakland. Roof sign.
Owner—Magnovox Co., Premises.
Architect—None.
Contractor—Oakland Sign Co., 1314 Webster, Oakland.
COST, $400

(258) NO. 570 MERRIMAC, Oakland. Alterations.
Owner—C. S. Nichols, 6008 Foothill Blvd., Oakland.
Architect—None.
Day's work. COST, $400

(259) S PAMPAS 80 E Acacia, Oakland One-story 5-room dwelling.
Owner—J. H. Mogk, 4411 Pampas St., Oakland.
Architect—None.
Day's work. COST, $2500

(260) S SANTA RAY 300 E Calmar Ave being Lot 41 Blk "C" East Piedmont Heights, Okd. All work for one-story 6-room dwelling.
Owner—M. J. Keller, 674 Mandana Blvd., Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
Filed Feb. 3, '20. Dated Jan. 20, '20.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $4050
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 30, No. 223.

(261) NO. 1314 BAY VIEW PLACE, Berkeley. Addition.
Owner—Fred A. Muller, Premises.
Architect—None.
Contractor—Harry C. Smith, 2011 Francisco, Berkeley.
COST, $648

(262) NOS. 1667 TO 1689 HOPKINS Berkeley. Nine one-story 5-room dwellings.
Owner—Realty Union Investment Co.
Architect—None.
Contractor—C. E. Burks, 4152 Randolph Ave., Oakland.
COST, $3500 each

(263) NO. 1747 SAN PEDRO AVE., Berkeley. One-story 6-room dwlg.
Owner—E. K. Young, 2415 McKinley Ave., Berkeley.
Architect—None.
Day's work. COST, $4800

(264) NO. 1346 EL CENTRO AVE., Oakland. Garage.
Owner—H. L. Hagan, Premises.
Architect—None.
Contractor—Schnebly & Hostrawser, 6th and Jackson, Oakland.
COST, $550

(265) E FORTIETH AVE 80 N Foothill Blvd. and NE Corner, Oakland. Two one and one-half-story 5-room dwellings.
Owner—E. M. Marquis, 2827 Russell, Berkeley.
Architect—None.
Day's work. COST, $2400 each

(266) NO. 438 FIFTEENTH, Oakland. Alterations.
Owner—Lewis & Mitchell, Premises.
Architect—None.
Contractor—John Anderson, 874 34th, Oakland.
COST, $485

(267) NO. 403 FOURTEENTH, Oakland Alterations.
Owner—Betting & Harding, Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franglin, Oakland.
COST, $475

(268) SE HADDON ROAD & BROOKlyn, Oakland. One-story 5-room dwelling.
Owner—J. H. Heath, 119 E-11th, Okd.
Architect—None.
Contractor—J. W. Baughman, 1627 5th Ave., Oakland.
COST, $4000

(269) S HEMPHILL COURT 100 E Desmond, Oakland. One-story 5-room dwelling.
Owner—D. Dryden.
Architect—None.
Contractor—M. C. Vaughn, 5833 Ayala, Oakland.
COST, $3500

(270) E LAKESHORE AVE 500 N Lake Park, Oakland. One-story concrete garage.
Owner—L. B. Hoge, Oakland.
Architect—None.
Contractor—Harry Schwalm, Hayward
COST, $1688

(271) NO. 1740 SEVENTH, Oakland. Store front.
Owner—P. L. Lyons.
Architect—None.
Contractor—Bay City Cabinet Co., 1080 5th, Oakland.
COST, $500

(272) S SECOND 88 E Brush, Oakland. Four-story concrete warehouse.
Owner—Robert Dalziel Co., 558 Mission St., San Francisco.
Architect—None.
Contractor—Palmer & Petersen, Monadnock Bldg., San Francisco.
COST, $120,000

(273) NOS. 1211 & 1215 HIGH, Alameda. Two one-story 5-room dwellings.
Owner—Hally & Co., 2315 Santa Clara Ave., Alameda.
Architect—None.
Contractor—M. H. Fish, 1340 Versailles Ave., Alameda.
COST, $2500 each

(274) NO. 1357 GROVE, Alameda. Addition.
Owner—H. P. Thompson, Premises.
Architect—None.
Contractor—L. Swenson, 2242 Encinal Ave., Alameda.
COST, $600

(275) NO. 2034 BLAKE (rear), Berkeley. One-story Class "C" ice storage plant.

Owner—H. J. Haney, 2550 Shattuck Ave Berkeley.
Architect—None.
Contractor—J. W. Rule, 1613 Ward, Berkeley.
COST, $7000

(276) S STUART 80 E McGee, Berkeley. One-story 5-room dwelling.
Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Day's work. COST, $2950

(277) E ATHOL AVE 150 N E-19th, Oakland. One and one-half-story 6-room dwelling.
Owner—Peter Block, 109 Arbor Drive Piedmont.
Architect—None.
Day's work. COST, $4000

(278) NO. 3637 E-SEVENTEENTH, Oakland. Alterations.
Owner—A. E. Goodhan, Premises.
Architect—None.
Day's work, COST, $600

(279) NO. 1232 FRUITVALE AVE., Oakland. One-story benzine brick room.
Owner—F. E. Pine, Premises.
Architect—None.
Contractor—W. J. Baccus.
COST, $450

(280) S FORTY-FIRST 180 W Broadway, Oakland. Two-story 16-room flats.
Owner—Thos. F. Watson, 327 41st St., Oakland.
Architect—None.
Contractor—C. T. Moore, 446 38th, Okd.
COST, $10,000

(281) E FOURTEENTH AVE 590 N E-24th, Oakland. One-story 5-room dwelling.
Owner—H. Nelson, 2534 14th Ave., Oakland.
Architect—None.
Day's work. COST, $2500

(282) S HARVEY AVE 275 E 55th Ave., Oakland. One-story 5-room dwelling.
Owner—M. Page, 2040 55th Ave., Okd.
Architect—None.
Contractor—John Sea, 811 Buena Vista Ave., Alameda.
COST, $3000

(283) W HOLLIS 300 N Yerba Buena Ave., Oakland. One-story brick and concrete factory.
Owner—Western Electric Co., 680 Folsom, San Francisco.
Architect—None.
Contractor—W. G. Thornalley, 565 16th Oakland.
COST, $50,000

(284) S MONTANA 100 E Laurel Ave., Oakland. One-story 3-room dwlg.
Owner—Noah Clemonsen, 3225 Foothill Blvd., Oakland.
Architect—None.
Contractor—James Anderson, 306 Magnolia Ave., Piedmont.
COST, $450

(285) NO. 421 PERKINS, Oakland. Garage.
Owner—Mrs. Campbell, Premises.
Architect—None.
Contractor—Oliver Duval & Son, Dalziel Bldg., Oakland.
COST, $485

(286) NO. 2019 WEBSTER, Oakland. Alterations.
Owner—John M. Gordon, Premises.
Architect—None.
Contractor—S. G. Rankin, 712 Haddon Road, Oakland.
COST, $500

(287) LOT 7 BLK "F" Map Lakewood Park Tct., Oakland. All work except plate glass, windows, painting, tinting, papering and finishing oak floors for one-story dwelling and garage.
Owner—Edna Lucile Steele, Oakland.
Architect—None.
Contractor—Jos. Parker & Son, 3260 Kansas St., Oakland.
Filed Feb. 5, '20. Dated Jan. 31, '20.
Owner pays all bills.....
Usual 35 days.....Balance
TOTAL COST, $4460
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(288) W GRAND AVE near Weldon, Oakland. All work for two-story 7-room dwelling and garage.
Owner—D. A. O'Brien, 905 Alice St., Oakland.
Architect—None.
Contractor—T. R. Goth, 516 33rd St., Oakland.
Filed Feb. 4, '20. Dated Jan. 20, '20.
Foundation walls in.....$ 500
Frame up ..... 1000
Roof on ..... 1000
Plastered ..... 1000
Doors and windows hung..... 1000
Completed and accepted..... 1350
TOTAL COST, $5850
Bond, $3000. Sureties, J. C. Brown and Wm. N. Tarr. Limit, forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 24, 1920, No. 184.

(289) E PORTAL AVE 175 N Ashmont Ave., Oakland. One-story 6-room dwelling.
Owner—Elizabeth A. Kemp, 1569 Jackson, Oakland.
Architect—None.
Contractor—M. E. Hopper & Son, 12 Linda Ave., Oakland.
COST, $4850

(290) NO. 2482 SIXTY-THIRD AVE., Oakland. One-story 2-room dwelling
Owner—Jas. Moyle, Premises.
Architect—None.
Day's work. COST, $600

(291) S TWENTY-THIRD 87 W Broadway, Oakland. One-story brick garage.
Owner—Mary E. Logan, 558 Walla Vista Ave., Oakland.
Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.
Contractor—A. J. Bellefontaine, 6712 Flora St., Oakland.
COST, $8000

(292) NO. 1564 LE ROY AVE., Berkeley. Addition.
Owner—Mrs. M. Hizar, Premises.
Architect—None.
Contractor—Hawkins & Gilmore, 2008 Addison, Berkeley.
COST, $445

(293) NO. 11 ETON COURT, Berkeley Two-story 9-room dwelling.
Owner—W. A. Gregory, 67 Parkside Drive, Berkeley.
Architect—None.
Contractor—H. M. Barnett, 859 Aileen St., Oakland.
COST, $13,000

(294) NE E-FOURTEENTH 100 SW 37th Ave. SW 112xNW 775. Oakland. All work for one-story frame factory.
Owner—The Pacific Rattan Co., 16th and Jefferson Sts., Oakland.
Architect—None.
Contractor—Alfred Olson, 565 16th St., Oakland.
Filed Feb. 6, '20. Dated Jan. 23, '20.
Frame up .....$2500
Brown coated ..... 2700
Completed and accepted ..... 2700
Usual 35 days ..... 2723
TOTAL COST, $10,623
Bond, $5500. Sureties H. J. Quinn and Fred Nelson. Forfeit, $1. Limit, 30 days. Plans and specifications filed.

(295) LOTS 1 TO 12 INCLUSIVE AND 25 to 36 Inclusive, Blk C, Town Decoto, Decoto. Add to plant.
Owner—Better Pack Canning Co., Decoto.
Architect—None.
Contractor—C. A. Bruce, Pleasanton.
Filed Feb. 6, '20. Dated Feb. 5, '20.
Concrete work completed ..... ¼
Frame work completed ..... ¼
Completed ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $8800
Bond, Sureties, Forfeit, none. Limit April 10th. Plans and specifications filed

(296) W BLACKSTONE 83 E Baker, Berkeley. One-story 5-room dwelling
Owner—P. J. Healy, 842 37th St., Okd.
Architect—None.
Day's work. COST, $2500

(297) NO. 2231 McGEE, Berkeley. Two-story office and stock room.
Owner—University Apparatus Co., 2227 McGee St., Berkeley.
Architect—None.
Day's work. COST, $2000

(298) E PARK 145 N Oregon, Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. COST, $2500

(299) S SHATTUCK AVE 100 E Indian Rock Ave., Berkeley. Two-story 7-room dwelling.
Owner—Herbert F. Kern, 965 Indian Rock Ave., Berkeley.
Architect—None.
Day's work. COST, $6800

(300) W EDGEWOOD 255 S Hollywood, Oakland. One-story 6-room dwelling.
Owner—Mervyn J. Whitney, 354 E-14th St., Oakland.
Architect—None.
Contractor—H. P. Houck, 4452 Evans Ave., Oakland.
COST, $5000

(301) NW SEVENTH AND WEBSTER Oakland. Alterations.
Owner—Ernest Lum, 623 Webster St., Oakland.
Architect—None.
Contractor—R. W. Littlefield, 357 12th St., Oakland.
COST, $500

(302) S ROSEMONT ROAD 400 W Sunnyside, Oakland. Two-story 7-room dwelling.
Owner—Lakeshore Highlands Co., 1460 Broadway, Oakland.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $7500

(303) W HOLLIS — N Yerba Buena Ave 178.5x930.15x885x206.9, Emeryville and Oakland. All work for addition to shop.
Owner—Western Electric Co., 680 Fol-Som St., San Francisco.
Architect—None.
Contractor—W. G. Thornalley, 565 16th St., Oakland.
Filed Feb. 6, '20. Dated Feb. 2, '20.
On 1st day of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $52,362
Bond, $26,500. Surety, Globe Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(304) E PORTAL AVE 175 N Ashmont Ave. being Ptn Lot 44 Map Crocker Oaks, Oakland. All work for six-room dwelling.
Owner—Elizabeth A. Kemp, 1569 Jackson St., Oakland.
Architect—None.
Contractor—M. E. Hopper & Son, 12 Linda Ave., Oakland.
Filed Feb. 7, '20. Dated Jan. 31, '20.
1st floor joists in place.....$ 500
Frame up ..... 1400
Brown coated ..... 1400
Usual 35 days..... 500
TOTAL COST, $5200
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Feb. 7, 1920, No. 289.

## COMPLETION NOTICES

### Alameda County

Feb. 3, 1920—PTN LOT 11 BLK "R" Map Revised Map Oakland Heights Okd. Annabel Bannan to Leland Bryant.....Jan. 27, 1920
Jan. 31, 1920—LOT 53 BLK 9, 4th Ave
Feb. 4, 1920—LOT 19 BLK —, Lakeshore Highland, Okd. John B and Bessie S Matthew to whom it may concern.....Jan. 3, 1920
Feb. 4, 1920—SW POSEN & COLUSA Aves, Bkly. Soren Jensen to James L Rich.....Jan. 2, 1920
Feb. 5, 1920—S ERIE 80 E Prince 40x100, Okd. William J Baker to whom it may concern....Feb. 4, 1920
Heights, Okd. Mrs Theresa E Hetland to H Elmer Johnson.....
.....Jan. 31, 1920
Feb. 5, 1920—LOTS 19, 20 & 21 BLK 6-2076, Shaw Tract, Bkly. Elizabeth Schuck to Chas A Haws.....
.....Jan. 10, 1920
Feb. 5, 1920—LOT 6 BLK "H" Sheet 1 Map Excelsior Heights, Okd. Ingeman Petersen to F L Burnett.....
.....Feb. 5, 1920.
Feb. 6, 1920—LOT 47, LAKE SHORE Park Heights, Oakland. L. B. Hoge to Harry Schwalm ..Feb. 2, '20

## LIENS FILED.

### Alameda County

Feb. 4, 1920—NW ADELINE 254 NE 43rd NE 90xNW 150, Emeryville. Florence Weaver .....$5000
Feb. 4, 1920—N SNYDER AVE 365 W San Pablo Ave W 37.50xN 118.50, Bkly. Sebastiano Avena .....$3000

## BUILDING CONTRACTS.

### Santa Clara County.

REBUILD
NO. 146 S-FIRST ST., San Jose. Alterations to store.
Owner—Stull & Sonnickson.
Architect—A. Heineman, Monadnock Bldg., San Francisco, and Los Angeles.
Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.
COST, $12,000

ALTERATIONS
NO. 126 S-NINTH ST., San Jose. Wreck and rebuild.
Owner—John Whitman, 303 S-Ninth St., San Jose.
Architect—None.
Day's work. COST, $1500

DWELLING
COR. FOURTEENTH AND WILLIAM Sts., San Jose. Seven-room dwelling.
Owner—A. M. Whiteside, 71 S-19th St., San Jose.
Architect—None.
Day's work. COST, $6000

COTTAGE
ABOUT NO. 491 S-FOURTEENTH ST., San Jose. Six-room cottage.
Owner—A. M. Whiteside, 71 S-19th St., San Jose.
Architect—None.
Day's work. COST, $4800

DWELLING ETC.
THIRTEENTH AND SAN SALVADOR Sts., San Jose. Dwelling and garage.
Owner—O. D. Babb.
Architect—None.
Day's work. COST, $3500

DWELLING
S-TWENTY-FIRST ST. near Santa Clara St., San Jose. Dwelling.
Owner—J. K. Belknap, 25 S-First St., San Jose.
Architect—None.
Day's work. COST $900
NO. 365 S-FOURTEENTH ST., San Jose Six-room cottage.
Owner—Ryan & Jenkinson.
Architect—None.
Contractor—F. L. Hoyt, 566 N-16th St., San Jose.
COST, $10,000

ADDITION
THIRD AND KEYES STS., San Jose. Addition.
Owner—Herbert Packing Co., 96 S-14th St., San Jose.
Architect—None.
Contractor—F. L. Hoyt, 566 N-16th St., San Jose.
COST, $13,000

ALTERATIONS
NO. 58 S-FIRST ST., San Jose. Alterations.
Lessee—E. Marcus, 96 Viola St., San Jose.
Architect—H. Krause, 130 S-1st St., San Jose.
Contractor—Guy Latta, 510 N-15th St., San Jose.
COST, $3200

## BUILDING CONTRACTS.

### San Joaquin County.

RESIDENCE
E WASHINGTON BET. B AND C STS., Stockton. Residence
Owner—T. Stribley, 2063 E Washington, Stockton.
Architect—None.
Day's work. COST, $5700

RESIDENCE
WEST PINE ST. BET. STOCKTON AND Baker Sts., Stockton. Residence.
Owner—C. Simpkins, Stockton.
Day's work. COST, $1900

DWELLING
LOT 15, BLK. 3, SUBDIVISION NO. 1, Tuxedo Park, Stockton. Frame dwelling.
Owner—Dr. H. E. Price, 212 Belding Bldg., Stockton.
Architect—C. H. Young, Commercial & Savings Bank Bldg., Stockton.
Contractor—Frederickson Bros.
COST, $——

REMODEL
N SIERRA NEVADA Bet. Oak and Fremont Sts., Stockton. Remodel.
Owner—M. Frazier.
Architect—None.
Day's work. COST, $1500

REMODEL
W ACACIA ST., bet. Commercial and Center Sts., Stockton. Remodel.
Owner—Jas. E. Morgan, 4 E Weber, Stockton.
Architect—None.
Day's work. COST, $4150

REMODEL
W LINDSAY Bet. Harrison and Lincoln Sts., Stockton. Remodel.
Owner—W. E. Tretheway, 421 N Stanislaus, Stockton.
Architect—None.
Day's work. COST, $2000

REMODEL
N HARRISON Bet. Lindsay and Fremont Sts., Stockton. Remodel.
Owner—W. E. Tretheway, 421 N Stanislaus, Stockton.
Architect—None.
Day's work. COST, $3000

REMODEL
N STANISLAUS Bet. Lindsay and Fremont. Remodel.
Owner—Harriet F. Haas, Premises.
Architect—None.
Day's work. COST, $5000

GARAGE
EL DORADO AND PARK STS., Stockton. Garage.
Owner—E. Allen Test, 112 Miner St., Stockton.
Architect—None.
Day's work. COST, $5200

APARTMENT HOUSE
LINDSAY AND STANISLAUS STS., Stockton. Apartment house.
Owner—W. E. Tretheway, 421 N Stanislaus, Stockton.
Architect—None.
Day's work. COST, $30,000

RESIDENCE
E-MAIN ST., bet. "D" and "E" Sts., Stockton. Frame residence.
Owner—A. M. Brown, 2337 E-Sonora St., Stockton.
Architect—None.
Day's work. COST, $1500

FRAME RESIDENCES
E-SONORA ST. bet. E and F Sts. and E-Main St. bet. D and E Sts. Stockton. Two frame residences.
Owner—A. M. Brown 2337 E-Sonora St., Stockton.
Architect—None.
Day's work. COST, $1500 each

FRAME DWELLING
E-LAFAYETTE ST., bet. D and E Sts., Stockton. Frame dwelling.
Owner—O. Baerlocher, 811 E-Main St., Stockton.
Architect—None.
Day's work. COST, $1000

## BUILDING CONTRACTS.

### Sacramento County.

RESIDENCE
S 20 FEET LOT 1687 and N 30 feet Lot 1688 on W side of 42nd Street, W. & K. Tract, Sacramento. Two-story frame and plaster residence.
Owner—Edgar J. and Elizabeth Kay, 1230 "P" St., Sacramento.
Architect—None.
Contractor—Jas. A. McCullough, 1015 23rd St., Sacramento.
Filed Jan. 29, '20. Dated Jan. 28, '20.
COST, $7200

FRAME DWELLING
NO. 1529 THIRTY-EIGHTH ST., Sacramento. One-story 5-room frame dwelling.
Owner—R. Morrissey, 1322 30th St., Sacramento.
Architect—None.
Contractor—J. Ormand.
COST, $3800

ADDITION
NO. 1615 TWENTY-FIRST ST., Sacramento. Addition to five-room frame residence.
Owner—F. Z. Ahl, 2617 "U" St., Sacramento.
Architect—None.
Contractor—C. H. Chatterton, 3164 Serra Way, Sacramento.
COST, $3000

NO. 1339 FORTY-SECOND ST., Sacramento. One and one-half-story 7-room frame residence.
Owner—H. P. Iverson, 2649 41st St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2816 "P" St., Sacramento.
COST, $5100

NO. 2525 PORTOLA WAY, Sacramento. One-story 5-room frame residence.
Owner—C. E. Rothchild.
Architect—None.
Day's work. COST, $3000

NO. 2153 PORTOLA WAY, Sacramento. One-story 5-room frame residence.
Owner—C. R. Jones, 1010 Dolores Way, Sacramento.
Architect—None.
Day's work. COST, $2800

NO. 1315 FORTY-FIRST ST., Sacramento. Two-story 6-room frame residence.
Owner—L. A. McClatchy.
Architect—None.
Contractor—J. A. Saunders, 2816 "P" St., Sacramento.
COST, $5760

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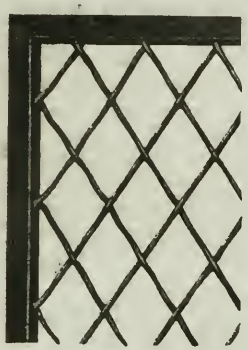

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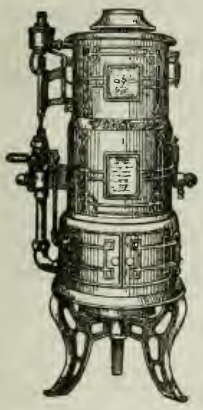

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**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

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J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## Letter to the Editor.

A debatable question no longer exists as to whether engineers of the country should get together in furtherance of their non-technical interests. The attitude everywhere is not whether, but how shall this end be achieved? Some engineers evidently think that a sort of super-organization of the founder societies should be brought into existence, or perhaps a federation of all societies, but an increasing number are coming to the conclusion that the end will be best accomplished by using the well tried machinery at hand, designed for this purpose, namely that of the American Association of Engineers.

A striking omission occurs in the report of the Joint Conference Committee of the older societies, one which by its absence attracts comment throughout the rank and file of the profession, namely the neglect to refer to the fact that the work proposed to be done has already been undertaken and is well advanced by the American Association of Engineers, with a membership now larger than of any other national society. From all parts of the United States is coming the question, "Why has the Joint Conference Committee's report been silent on this vital question?

In answer to this question and in the firm belief that the rank and file of the profession are waiting for such an announcement, the Secretary of the American Association of Engineers on December 20, 1919, addressed the following letter to the governing bodies of the founder societies:

"The development of the opinion in the founder societies in favor of giving to the non-technical side of the engineer's life has led several members of each to ask the American Association of Engineers to write simultaneously to the governing bodies of these societies offering its service in problems of public and professional welfare and asking their co-operation.

"We have read the report of the Joint Conference Committee and believe that the American Association of Engineers, a successful going organization, is capable of carrying forward the non-technical activities recommended in the report fully as well and perhaps better than the organization recommended by the conference report.

"The activities of A. A. E. are confined to social and economic problems such as legislation, employment, compensation, political and civic endeavor. A. A. E. takes in everyone of good character in the engineering profession and seeks to mobilize all engineers for joint action. It gets its support from the man back home without any intermediate representation so that it is able to do the things that lie close home and that make living as an engineer worth while.

"If the founder societies elect to cooperate with A. A. E. in the work it is doing and in similar non-technical activities, it would be our understanding that such support would not be financial and would in no way interfere with present prerogatives and privileges of the founder societies.

"This letter has been approved by our Executive Committee at its meeting December 20, 1919. We are enclosing copy of our constitution for convenient reference."

Let us have full discussion. The great body of engineers who have given the matter thought evidently believe that the ends to be attained from the human side must be reached by a strong, well built and thoroughly democratic organization, devoted exclusively to these ends and organized for effective action in ways which the men of experience in human and political activities have found to be most effective. On the other hand, they feel that the purely scientific societies, organized for the investigation of natural phenomena and their application, which elect for their officers men distinguished by research and technical achievement, cannot by mere federation and delegation of power through complicated machinery achieve important results for the welfare of engineers as men and citizens.

Are you in favor of unity along the lines of the above letter? If so, write the editor of this paper, sending copies to the Secretary of the national technical society of which you are a member, and to the Secretary of the American Association of Engineers.

C. E. DRAYER,
Secretary, American Assn. Engrs.

### SAN FRANCISCO CHAPTER.

#### Engineers Criticise State Salaries.

After hearing the lecture of Mrs Grace Palmer Craig on Psychology for the Engineer, the San Francisco Chapter of the American Association of Engineers passed resolutions and instructed their Ethics and Compensation Committee to register a protest to Governor Stevens and the State Legislature that engineers in the state employ were being paid a ridiculously low compensation for the services rendered. They cite the case of a recent civil service examination for an assistant engineer offering a salary of $250 per month to a man who would pass upon important matters pertaining to hydroelectric and irrigation development. Resolutions were also forwarded to Congress asking for the appropriation of funds to continue the work of the Geological Survey in maintaining rainfall gauge stations in this state so that the present record so valuable in hydroelectric and irrigation development will not be broken and rendered valueless.

V. D. COUSINS,
For American Association of Engrs.

### SACRAMENTO ENGINEERS CLUB JOIN A. A. E.

The Sacramento Chapter of the American Association of Engineers according to announcement of representatives, has voted to accept the plan of the Sacramento Engineers Club to come into the association. This action, it is said, will enable the club to retain its identity, for which some of the older members have strongly contended.

### SOUTHERN PACIFIC RAILROAD SECTION, A. A. E.

The first annual convention of the Southern Pacific Section, American Association of Engineers, was held in January at the St. Francis Hotel. Representatives from all parts of the country where the Southern Pacific engineers have interests were represented, 147 votes being cast. A constitution was adopted, subject to the approval of National Headquarters. The convention instructed its executive committee to select and send delegates to the railroad conference of the American Association of Engineers which is to be held in Chicago March 15. These delegates are now being selected. Considerable interest was indicated by the railroad enginers present in a 100 per

**IRRIGATION DISTRICTS IN CALIFORNIA.**

| | Name of District. | County | Year Org. | Area Acres | Bonds Voted | Address of Secretary. |
|---|---|---|---|---|---|---|
| 1 | Alpaugh | Tulare | 1914 | 7,576 | $ 280,000 | Alpaugh. |
| 2 | Alta | Tulare-Fresno | 1888 | 130,000 | 543,000 | Dinuba. |
| 3 | Anderson - Cottonwood | Shasta | 1914 | 32,500 | 1,055,000 | Anderson. |
| 4 | Baxter Creek | Lassen | 1916 | 11,000 | ..... | Lassen |
| 5 | Big Rock Creek | Los Angeles | 1890 | 30,000 | 253,000 | Yermo. |
| 6 | Black Rock | Inyo | 1915 | 1,210 | ..... | Big Pine. |
| 7 | Brown's Valley | Yuba | 1888 | 44,328 | 140,000 | Brown's Valley. |
| 8 | Cardiff | San Diego | 1916 | 700 | ..... | Cardiff by the Sea. |
| 9 | Carmichael | Sacramento | 1915 | 3,113 | 90,000 | R. F. D. 3, Sacramento. |
| 10 | Fairoaks | Sacramento | 1917 | 4,000 | 200,000 | Fairoaks. |
| 11 | Happy Valley | Shasta | 1891 | 18,300 | 615,000 | Olinda. |
| 12 | Honey Lake Valley | Lassen | 1916 | 33,150 | ..... | Amadee. |
| 13 | Imperial | Imperial | 1911 | 576,600 | 6,000,000 | El Centro. |
| 14 | Jacinto | Glenn | 1918 | 19,660 | ..... | Jacinto. |
| 15 | La Mesa, Lemon Grove, etc. | San Diego | 1913 | 14,794 | 1,232,500 | La Mesa. |
| 16 | Lindsay-Strathmore | Tulare | 1915 | 15,776 | 1,400,000 | Lindsay. |
| 17 | Litle Rock Creek | Los Angeles | 1892 | 3,000 | 60,000 | Little Rock. |
| 18 | Long Valley Creek | Lassen | 1916 | 34,000 | ..... | Doyle. |
| 19 | Maxwell | Colusa | 1918 | 8,000 | 270,000 | Colusa. |
| 20 | Modesto | Stanislaus | 1887 | 81,183 | 2,215,021 | Modesto. |
| 21 | Mojave River | San Bernardino | 1917 | 27,665 | ..... | Victorville. |
| 22 | Newport Heights | Orange | 1918 | 1,503 | ..... | Santa Ana. |
| 23 | Newport Mesa | Orange | 1918 | 670 | ..... | Santa Ana. |
| 24 | Oakdale | Stanislaus-San Joaquin | 1909 | 74,146 | 2,399,500 | Oakdale. |
| 25 | Palmdale | Los Angeles | 1918 | 4,000 | ..... | Palmdale. |
| 26 | Paradise | Butte | 1916 | 11,200 | 350,000 | Paradise. |
| 27 | Princeton-Cordova-Glenn | Colusa-Glenn | 1917 | 18,200 | ..... | Willows. |
| 28 | Provident | Glenn-Colusa | 1918 | 20,756 | 1,000,000 | Princeton. |
| 29 | Redrock Creek | Lassen | 1918 | 3,700 | ..... | Ravendale. |
| 30 | San Ysidro | San Diego | 1911 | 485 | 25,000 | San Ysidro. |
| 31 | Scott Valley | Siskiyou | 1917 | 5,540 | ..... | Fort Scott. |
| 32 | Southern Lassen | Lassen | 1915 | 21,500 | ..... | Doyle. |
| 33 | South San Joaquin | San Joaquin | 1909 | 71,050 | 3,835,000 | Manteca. |
| 34 | Stratford | Kings | 1915 | 9,200 | ..... | Stratford. |
| 35 | Surprise Valley | Modoc | 1918 | 17,500 | ..... | Fort Bidwell. |
| 36 | Terra Bella | Tulare | 1915 | 12,000 | 1,000,000 | Terra Bella |
| 37 | Tulare | Tulare | 1889 | 39,360 | 500,000 | Tulare. |
| 38 | Turlock | Stanislaus-Merced | 1887 | 175,666 | 2,572,800 | Turlock. |
| 39 | Tranquillty | Fresno | 1917 | 11,300 | ..... | Tranquillty. |
| 40 | Victor Valley | San Bernardino | 1917 | 71,517 | ..... | |
| 41 | Walnut | Los Angeles | 1893 | 869¾ | ..... | Walnut. |
| 42 | Waterford | Stanislaus | 1914 | 14,434 | 465,000 | Waterford. |
| 43 | Webster | Madera | 1915 | 15,000 | ..... | |
| 44 | Westside | San Joaquin | 1915 | 11,700 | 410,000 | Tracy. |

cent organization, and it is thought possible to attain this percentage during the coming year.

The following officers were elected for the ensuing year. Mr. H. I. Benjamin, President; Mr. L. E. Johnson, Secretary, and Mr. W. P. Smith, Treasurer.

The next convention will be held in January, 1921.

## SAFETY FIRST.

Minneapolis, Minn., under the leadership of its Civics and Commerce Association, has just joined the group of progressive cities where both industrial safety and public safety work is being conducted along the lines that have proved successful in the thirty-seven other American cities where local councils of the National Safety Council are functioning.

Dr. C. H. Kohler, chairman of the Committee on Accident Prevention of the Minneapolis Civics and Commerce Association has been chosen acting chairman of the Local Safety Council. The program to be followed by the Minneapolis safety council and the details of the organization are now being developed by the Committee on Accident Prevention, and W. R. Rasmussen, regional field secretary of the National Safety Council.

Within the next few weeks, the principal industries in and near Minneapolis will be organized into a compact co-operative local, safety organizations will be introduced in the individual plants, and schools for foremen, safety supervisors, and safety conferences for executives will be initiated. At the same time a public safety campaign will be inaugurated and the question of introducing safety instruction in the schools of Minneapolis taken up.

The formulation of codes on safety in paper and pulp manufacture and safety in blast furnaces operation were tentatively assigned to the National Safety Code Committee at a meeting held in Washington, D. C., recently.

This committee—which consists of representatives of the National Safety Council, the Bureau of Standards, the Safety Institute of America, the American Society of Mechanical Engineers, the National Electric Light Association, the Stock and Mutual Insurance Interests, Underwriters' Laboratories, and the State Industrial Commissions of New York, New Jersey, Pennsylvania, Ohio, Wisconsin and California—also suggests that the National Safety Council undertake the formulation of safety codes on building construction and on power presses. This will be done by the Council through its Construction and Engineering Sections and with the assistance of other interested organizations.

The National Safety Council has prepared for its own membership safe practices pamphlets on paper and pulp manufacture, blast furnaces, and power presses, and it is probable that the standards formulated for distribution to industry at large through the National Safety Code Committee will be based on the safe practices pamphlets already issued by the National Safety Council.

The Mining Section of the Council was asked to take up with the Bureau of Mines and the mining societies the matter of formulating mining safety standards in addition to those already formulated by the Bureau of Mines. The National Safety Code Committee will report to the American Engineering Standards Committee under whose auspices the actual formulation of safety standards will proceed.

A great forward drive toward the reduction of both industrial and public accidents in the Metropolitan District of New York has just been made through the appointment of R. S. Jarnagin, Regional Supervisor of Safety for the Eastern Railroads, United States Railroad Administration, as Secretary of the New York Local Council of the National Safety Council and the

Safety Institute of America. Headquarters of the New York Local will be maintained in the office of the Safety Institute in the Arsenal Building, Central Park. All the exhibits, the library and other facilities of the Institute will be placed at the disposal of the Local Council. The National Safety Council will send one of its field secretaries to New York to co-operate in the reorganization of the present local council of that city along the lines of the local councils of St. Louis, Pittsburggh and Cleveland.

In view of the importance of the Metropolitan District as an industrial center, this promises to be one of the most important councils yet organized.

The New York local council will organize and conduct schools for safety supervisors and foremen, workmen's mass meetings, and conferences for industrial executives.

The promotion of public safety, school safety and educational safety will be a distinct service of the Safety Institute and will be carried on in the Metropolitan District under the direction of the Institute, the National Safety Council co-operating.

The Safety Institute will soon be moved to the Arsenal Building in Central Park. This building, which is being remodeled, will provide splendid accommodations for the various schools of the Council.

# ADVANCE NEWS
## Official Proposals, Etc.

# BUILDING.

## APARTMENT HOUSES

Plans Being Prepared. Sub-Figures Being Taken.
APARTMENTS Cost, $38,000
SAN FRANCISCO. SW Sacramento & Scott Streets.
Three-story and basement frame apartments, 6 apts. of 6 rooms each. (Italian Renaissance Style of Architecture).
Owner—Eleanor Hansen, 2000 Polk St., San Francisco.
Architect—J. F. Dunn, Phelan Bldg., San Francisco.
Contractor—F. L. Hansen, 2000 Polk St., San Francisco.

Plans Being Prepared.
ADDITION Cost, $——
SAN FRANCISCO. S California Street Bet. Leavenworth and Hyde Sts.
Three-story frame and plaster apartment house addition 33 2 and 3-room apts. (The present building will be moved to the rear).
Owner—Harris, Ed. & Austin Tichenor.
Architect—Miss Grace Jewett, 57 Post St., San Francisco.
NOTE:—Plans will be ready for figures in about two weeks.

Completing Plans.
APARTMENT HOUSE Cost, $60,000
LONG BEACH, Los Angeles Co., Cal. On the Ocean Front.
Three-story reinforced concrete apartment house (12 3-room apts.)
Owner—Ricardo Hofer.
Architect H. Alfred Anderson, Palace Theatre Bldg., Long Beach.

To Be Done by Day's Work.
APARTMENTS, ETC. Cost, $25,000
RICHMOND. NE Macdonald Ave., and 13th St.
Two-story brick apartments and auto sales rooms (two 4-room Apts.)
Owner—Mr. McMullen.
Lessee—John Leppla & Son, Richmond.
Designer and Superintendent—John C. Thornton, 532½ 5th St., Richmond.

Plans Being Prepared. Ready for Figures in a Week.
APARTMENTS Cost, $110,000
OAKLAND, Alameda Co., Cal. Facing Lake Merritt.
Five-story and basement Class "C" apartment house (18 3, 4 and 5-room apts.)
Owner—Withheld.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Plans Being Prepared. Ready for Figures February 17th.
APARTMENT HOUSE Cost. $60,000
SAN FRANCISCO. Sacramento and Octavia Streets.
Five-story and basement reinforced concrete Class "C" apartment house (20 apartments of 2 and 3 rooms each—(50 rooms.)
Owner—W. Gardiner.
Architect—O'Brien Bros, 240 Montgomery Street, San Francisco.

## BONDS

GRIDLEY, Butte Co., Cal.—The Trustees of the Gridley Union High School District are contemplating calling an election to vote bonds with which to finance construction of a new high school building, the present structure being unable to accommodate the present attendance.

CROCKETT, Contra Costa Co., Cal.—Steps are being taken to call an election to decide the question of issuing bonds with which to finance the construction of a new and larger grammar school building. The present building is entirely inadequate to accommodate the territory.

ANDERSON, Shasta Co., Cal.—The Anderson Chamber of Commerce is urging a bond election in the Anderson-Cottonwood Irrigation District to secure funds with which to complete the canal and ditch system. Francis Carr of Redding is Attorney for the District.

GRIDLEY, Butte Co., Cal.—Bonds of $15,000 have been voted to finance the extension of the present water works system. James Ownby is City Clerk.

HANFORD, Kings Co., Cal.—Bids will be received by the Kings County Supervisors up to March 5th for the purchase of the $16,000 bond issue of the Lake School District. Proceeds of the sale will finance construction of a new school building.

EL MONTE, Los Angeles Co., Cal.—Until 8 P. M., February 19, bids will be received by the City Clerk for the purchase of $55,000 sewer bonds. Olmsted & Gillelen, Consulting Engineers, Hollingsworth Bldg., Los Angeles, are preparing plans for the proposed sewer system.

EAST SAN DIEGO, Cal.—An election will be held February 17 to vote on issuing $200,000 bonds for a new city water system with 4-inch mains throughout the city and 98 fire hydrants. Will Brown, city engineer.

SUNNYVALE, Santa Clara Co., Cal.—March 4th is the date set to decide the question of issuing and selling bonds of $70,000 with which to purchase a site, erect a new school and rehabilitate the present school.

NAPA, Napa Co., Cal—The City Council, H. H. Thompson, City Clerk, has passed a resolution providing for an election to vote bonds of $150,000 with which to finance the following street improvements::

The grading, paving and curbing of First street from the eastern line of Randolph street to the western boundary line of the city.

The grading, paving and curbing of First street from the eastern end of the stone bridge over Napa Creek to Bell avenue.

The grading, paving and curbing of Third street from the eastern line of Coombs street to the eastern line of Jefferson street; and from the western line of the Southern Pacific right-of-way to the eastern boundary of the city.

The grading and paving of Bell avenue from the northern line of First street to the northern line of Third street.

The grading, paving and curbing of Soscol avenue from the city limits to western line of the rights-of-way of the Southern Pacific Company.

The grading and paving of Main street from the southern line of Pearl street to the northern line of Lincoln avenue.

The grading and paving of Lincoln avenue from the western line of Main street to the eastern line of Jefferson street.

The grading and paving of Jefferson street from the Sonoma road, on the western boundary of the City of Napa, to the northern line of Oak street.

The grading, paving and curbing of Jefferson street from the northern line of Oak street to the center line of Lincoln avenue, on the northern limits of the city.

NAPA, Napa Co., Cal.—The City School Board is contemplating an election to decide the question of issuing and selling bonds with which to erect a number of school buildings.

Architect W. H. Weeks, 75 Post street, San Francisco, has presented preliminary sketches for new schools and these are being considered.

LODI, San Joaquin Co., Cal.—Bonds of $90,000 have been voted for a new school building. No architect has been selected as yet to design the building.

SAN RAFAEL, Marin Co., Cal.—Petitions have been received by the County Supervisors, Eugene D. Graham, County Clerk, asking that a bond election be called to decide on the issuance of $1,000,000 in bonds to build a system of highways. The petition calls for a coast road via Bolinas, a central road through the San Geronimo Valley via Point Reyes Station and Tomales and a lateral from Tomales to Novato to connect with the State Highway.

SAN JUAN, San Benito Co., Cal.—Preparations are being made by the Town Trustees to call an election to decide the question of issuing bonds of $20,000 with which to finance construction of a septic tank.

W. E. Hodges is Town Clerk.

YREKA, Siskiyou Co., Cal.—An election to decide the question of issuing bonds of $1,000,000 with which to finance construction of a modern county highway system is being considered by the County Supervisors, W. J. Neilon, County Clerk.

SALINAS, Monterey Co., Cal.—Bonds of $50,000 with which to finance improvement in Reclamation District No. 1665, carried at a recent election.

MADERA, Madera Co., Cal.—Steps are being taken by the Trustees of the Madera Grammar School District to call an election to vote bonds with which to finance construction of a new grammar school building.

The County Superintendent of Schools has been instructed to secure sketches, estimates, etc., from architects.

EMPIRE, Stanislaus Co., Cal.—The election held to vote bonds of $63,500 with which to finance construction of a new school building failed to carry by three votes and preparations are now being made to call another election.

FRESNO, Fresno Co., Cal.—The County Clerk, has provided for the formation of the McKinley, Houghton and Empire School District into one district, to be known as the Pershing School District and steps are now being taken to select a site for a new school building. After selecting a site an election will be called to vote bonds of $25,000 or $30,000 to finance construction of a new structure

REDDING, Shasta Co., Cal.—The Trustees of the Redding Grammar School District have extended the time for voting bonds for a new grammar school, from February 24th to March 16th.

Architect Geo. C. Sellon of Sacramento has been commissioned to prepare plans.

## CHURCHES

Plans Being Completed.
CHURCH & STORE Cost, $40,000
OREGON CITY, Oregon.
Two-story concrete and brick church and store.
Owner—Methodist Church of Oregon City.
Architects—Tourtellotte & Hummel, McKay Bldg., Portland, Oregon.

Plans Prepared.
CHURCH Cost, $15,000
MADERA, Madera Co., Cal. "G" and Sixth Streets.
Hollow tile church building and Sunday School Rooms, 67x94 (7 classrooms and assembly hall with seating capacity of 300).
Owner—First Methodist Church of Malera.
Architect—Not Given.

Plans Being Prepared.
SYNAGOGUE Cost, $50,000
LOS ANGELES, Cal. Boyle Heights.
Brick synagogue.
Owner—Jewish Synagogue Ass'n.
Architect—John M. Cooper, 335 Marsh-Strong Bldg., Los Angeles.

## FACTORIES AND WAREHOUSES.

Sub-Figures to be Taken in a Few Days.
PRINTING PLANT Cost, $175,000
SAN FRANCISCO. SW Bryant and Third Streets.
Five-story reinforced concrete printing plant.
Owners and Contractors—Lange & Bergstrom, Sharon Bldg., San Francisco.
Lessee—Schwabacher-Frey Co.
Architects—Owners.

Plans to be Prepared.
FACTORY BLDGS. Cost, (1st unit) $60,000.
SAN JOSE, Santa Clara Co., Cal. Luna Park (17th St. and Berryessa Rd.)
Factory buildings.
Owner—National Axle Co., Cr. Chamber of Commerce of San Jose.
Architect—Engineering Dept. of Owner

J. G. Travares, former president of the Noiseless Typewriter Company, is head of the new enterprise, Kyle, formerly of the Wisconsin Axle Company, and the Baldwin Locomotive works, is vice president and general manager; Horatio W. Smith, is consulting engineer in an advisory capacity with the axle company's corps of engineers and N. Elliott, is head of the purchasing department. Elliott was formerly head of a similar department for the Engineering and Sales Corporation of Chicago. A. H. McCleary will be the metallurgist of the company. J. L. Armstrong, superintendent, was formerly general superintendent of the Wisconsin Axle Company.

Contract Awarded.
CANNERY BLDG. Cost, $60,000
HILLSBORO, Oregon.
One-story hollow tile cannery building, 370x97.
Owner—Ray & Son.
Architect—E. E. McClaran, Lumber Exchange, Portland, Ore.
Contractor—C. H. Rice, Oak Grove, Oregon.

Tile contract has been awarded to the Salem Tile & Mercantile Co. of Salem. Roofing work will be done under a separate contract.

Plans to be Prepared.
WAREHOUSE Cost, $80,000
SEBASTOPOL, Sonoma Co., Cal.
First unit of cold storage warehouse.
Owner—Sebastopol Apple Growers' Association, Sebastopol, Cal.
Architect—Not Yet Selected.

E. C. Merritt is President of the Association and H. R. Harbine, Lewis Frei, D. D. Sinclair and Fred Maddocks members of the Board of Directors.

Plans Being Completed.
FACTORY Cost, $——
PORTLAND, Ore. SW 18th and Thurman Streets.
Three-story and basement hollow tile and heavy mill shoe factory, 60x100
Owner—Theo. Bergmann Shoe Mfg. Co.
Architects—Claussen & Claussen, Macleay Bldg., Portland.

Contract Awarded.
WAREHOUSE Cost, $——
SAN FRANCISCO. Minna Street E of Third Street.
Four-story and basement Class "C" warehouse.
Owner—Archbishop of S. F. Diocese.
Lessee—Rucker-Fuller Desk Co.
Architect—Smith O'Brien, Bankers Investment Bldg., San Francisco.
Contractor—T. B. Goodwin, 2245 Filbert St., San Francisco.

SANTA MONICA, Los Angeles Co., Cal.—Until 10 A. M., February 27, bids will be received by the City Clerk for the construction and completion of a portion of the municipal pier. Information may be obtained on application to Leeds & Barnard, consulting engineers, 705 Central Bldg., Los Angeles. The present concrete piles will be replaced by creosoted wood piles to support the reinforced concrete deck. The work will involve 21,570 lin. ft. piling; 64,000 ft. B. M. untreated timber caps, 14x16 in., approximately the same amount of untreated timber struts, 8x10 in.; 14,000 lbs. wrought iron straps; 58,000 lbs. 1½-in. diagonal tie rods and 1600 lbs. turnbuckles.

Contract Awarded
WAREHOUSE, ETC Cost, $26,000
SAN FRANCISCO Twelfth Street 57 N Howard.
One-story brick and reinforced concrete warehouse and salesroom (building to be strong enough for 2 additional stories.)
Owner—Michelin Tire Co., 1640 Pine St., San Francisco.
Architect—Joseph L. Stewart, Claus Speckels Bldg., San Francisco.
Contractor—P. R. Ward, 180 Jessie St., San Francisco.

SAN FRANCISCO.—Architects O'Brien Bros., 240 Montgomery St., have awarded a contract to the Mission Concrete Co. for the concrete work in connection with the construction of a one-story Class "C" brick warehouse for the Fourth Street Realty Co. It will be erected on the south side of Harrison street 200 E of Fourth.

## FIRE HOUSES AND JAILS.

FRESNO, Fresno Co., Cal.—Two sets of drawings were submitted to the Police and Fire Commissioners at their

last meeting for new fire houses which it is planned to rect in the near future, these by Architects Coates & Travers, Rowell Bldg., and Swartz & Ryland, Rowell Bldg., both of Fresno. The Commissioners decided to wait until other Fresno architects submitted designs before considering these already received.

## FLATS.

Electrical Contract Awarded. Sub-Figures Being Taken on Balance of Work.
FRAME FLATS Cost, $5,000
SAN FRANCISCO. W Gough Street 30 S Oak Street.
Two-story frame (2) flats and a store.
Owner—Walter S. Goldberg, Room 19, 320 Market St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
**Electrical Work** awarded to C. C. Severin, 185 Stevenson St.

## GARAGES

Contracts Awarded.
MACHINE SHOP Cost, $18,000
SAN FRANCISCO. SW Folsom and Juniper Streets.
One-story steel and brick machine shop
Owner—Kleiber & Co., 1480 Folsom St., San Francisco.
Engineer—Richard tum Suden, 1480 Folsom St., San Francisco.
**Steel** awarded to Pacific Rolling Mill Co. at $9,000.
**Brick Work** to Wm. Rainey at $4,500.

Contract Awarded.
AUTO REPAIR SHOP Cost, $4,638
SAN FRANCISCO. Waller Street near Steiner.
One-story brick auto repair shop.
Owner—A. Schmidt.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractors—Vukicevich & Bagge, 180 Jessie St., San Francisco.

Contract Awarded.
GARAGE Cost, $13,000
FRESNO, Fresno Co., Cal. South "J" Street Bet. Mono and Ventura Sts.
One-story fireproof garage and repair shop, 50x150.
Owner—Damir Bros., 1137 "J" St., Fresno.
Lessee—Walling & Alexander Stage Co., Fresno.
Architects—Coates & Travers, Rowell Bldg., Fresno.
Contactors—Trewhitt-Shields Co., Rowell Bldg., Fresno.

Plans Being Prepared. Ready for Figures in a Week or Ten Days.
AUTO SALESROOM AND GARAGE Cost, $22,000
RICHMOND, Contra Costa Co., Cal NE 13th and Macdonald Ave.
Two-story brick and reinforced concrete auto salesrooms and garage, 50x108.
Owner—Jas. McMullen.
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

Contract Awarded.
ADDITION Cost, $12,000
SAN FRANCISCO. S California St. 49 E Powell.
One-story reinforced concrete addition to present two-story garage.
Owner—I. S. Johnson, 1600 Post St., San Francisco.
Architects—O'Brien Bros, Inc., 240 Montgomery St., San Francisco.
Contractors—Barrett & Hilp, Sharon Bldg., San Francisco.

Plans Being Figured.
GARAGE Cost, $15,000
TULARE, Tulare Co., Cal.
One-story concrete garage.
Owner—C. R. Russell, Tulare, Cal.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

GARAGE, ETC. Cost, $11,000
REDDING, Shasta Co., Cal. Shasta and Market Streets.
One-story brick garage and auto sales room, 50x100. Plans have been designed so as to provide one additional story.
Owner—Miller Automobile Co., Redding.
Architect—Not Given.
Contractor—F. R. Thompson, Redding.

## GOVERNMENT WORK AND SUPPLIES

WASHINGTON, D. C.—Plans have been completed by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for work under Specification No. 4087 providing for hangars "A," "B," and "C" and storehouse "D," about 75 by 112, 66 by 140, 66 by 200 and 100 feet wide by 300 feet long, respectively, at the naval air station, San Digeo, Calif. The government will furnish all material for "B" and "C," except for downspouts, gutters, concrete work and painting, and will furnish the structural steel only for "A" and "D." The contractor shall supply all other materials required and erect the buildings complete. The buildings will be in general all steel construction and will have concrete foundations. Drawings and specification No. 4087 may be obtained on application to the bureau, to the commandant, 12 naval district, Sheldon Bldg., San Francisco, Cal., or to the public works officer, 12th naval district, south of San Francisco Bay, Timken Bldg., San Diego, Cal., on deposit of $10. Date for opening bids has not yet been set.

WASHINGTON, D. C.—Bids will be received by the Paint and Chemical Section, Raw Materials and Paints Branch, up to February 18th for furnishing under Circular 39, one thousand bottles of liquid furniture polish, f. o. b. San Francisco.

PAINT—Paint and Chemical Section, Munitions Building, Washington, D. C. —Bids are wanted until 10 A. M. February 26, 1920, circular 40, for furnishing f. o. b. San Francisco 425 gallons o. d. paint, 1,500 pounds putty, 50 gallons denatured alcohol, 50 gallons black paint, 20 pounds drop black, 58 gallons varnish, 300 quarts damar varnish, 50 gallons damar varnish, 50 gallons rubbing varnish, 2,000 gallons asphaltum varnish, 45 gallons oil stain, 500 bars stove polish, 170 pounds zinc sheets, 90 pounds zinc sheets and 225 pounds sulphuric acid. For information address as above.

PAINT—Paint and Chemical Section, Munitions Building, Washington, D. C. —Bids are wanted until 10 A. M., February 24, 1920, circular 46, for furnishing f. o. b. San Francisco, 30 gallons white enamel and 50 gallons white Paint. For information address as above.

SAN FRANCISCO—Bids will be received by the Zone General Supply Depot, Fort Mason, up to February 19th, 10 A. M., for furnishing and delivering the following materials, under Circular No. 215: Casters, drawer pulls, turnbuckles, varnish, paint, printers' ink, porcelain receptacles, chair seats, hair felt, round head rivets, asbestos twine, wood screws, cornice hooks, shaft bolts, index card cabinets and cards, filing (wood) cabinets with bases, emery cloth, extension gimlet bits, hot eye chisels, screw clamps, rock and automatic drills, blacksmith hammer handles, doweling jigs, screwdrivers, measuring tapes, plumbers' turnpins, saw filing clamp, 300 lbs. excelsior, 100 ft. rubber hose, 48 barrels unslacked lime, 90 lbs. ether, one bench drill press, mild flat steel, flags, 40 ft. leather belting, map cabinet, auger bits, twist drills, wrought brass pulleys, dynamo brushes, braces, 15 gallons electrolyte and card index trays.

SAN FRANCISCO.—Bids will be received until Noon of February 27, 1920, by the office of J. W. Roberts, U. S. Supervising Superintendent of Construction, 403 Post Office Bldg., 7th and Mission Sts., San Francisco, for changes in the second floor of the U. S. Custom House at Washington, Jackson, Sansome and Battery Sts., San Francisco.

SAN FRANCISCO.—Bids will be received until Noon of February 25th, by the office of J. W. Roberts, U. S. Supervising Superintendent of Construction, Post Office Bldg., 7th and Mission Sts., for installing an intercommunicating telephone system in the U. S. Marine Hospital at San Francisco.

MARE ISLAND, Cal.—The following bids were received February 11th at Mare Island for alterations of an existing double quarters, a dormitory and a mess hall and the construction of a new double quarters, at the Naval Radio Station, Yerba Buena Island, San Francisco Bay, Calif. All of the buildings are of wood frame construction:

Schultz Construction Co. (all work), $36,685; (omit mess hall), $34,285; 120 days.

Button & Button (all work), $48,104 (omit mess hall), $44,284; 120 days.

Bids were also opened at Washington, which will be reported later.

WASHINGTON, D. C.—Bids will be received by the Purchasing Officer, The Panama Canal, under Circular No. 2237 for furnishing and delivering the following materials at Cristobal (Atlantic Port) or Balboa (Pacific Port), bids to be opened February 17th, 10 A. M.

2,000 lbs bronze, 18,000 ft. steel galvaizned wire, 200 lbs. spring brass wire, 2,000 brass hexagon nuts, rivets, screws, tacks, screw eyes, 1,000 ft. steel conduit, carbon buttons, conductor cords, fusible plugs, washers, floor flanges, brass basin tees, steam traps, various valves, leather packings, rubber corrugated binder, tires and tubes, packing, electric fixtures and socket reducers.

## HALLS AND SOCIETY BUILDINGS.

Preliminary Plans Approved. Working Drawings to be Prepared.
CLUB HOUSE Cost, $35,000
NEWBERG, Oregon.
Three-story Hollow tile club house and Memorial Auditorium, 120x100.
Owner—American Legion, Newberg Post, Newberg, Ore.
Architect—E. E. McClaran, Lumber Exchange, Portland, Ore.

Plans Being Prepared.
CLUB BUILDING, ETC. Cost, $——
FLINTRIDGE, Los Angeles Co., Cal.
One-story reinforced concrete club building, 300x265; concrete swimming pool, 45x105; servants' houses, and garage sheds, 200 ft. in length.
Owner—Senator Frank P. Flint.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.

Completed and Accepted.
CLUB BUILDING COST, $24,655
VALLEJO, Solano Co., Cal. York and Sacramento Streets.
Two-story frame and stucco club building.
Owner—Y. W. C. A.
Architect—Miss Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractors—Taylor & Jackson, Call Bldg., San Francisco.
The building will contain a gymnasium, shower rooms with metal partitions, cafeteria and recreation rooms.

## HOSPITALS

Plans Being Figured. Bids Close Feb. 23, 1920.
HOSPITAL Cost, $——
WHITTIER, Los Angeles Co., Cal.
One and two-story brick or hollow tile hospital (Milhous Memorial Hospital).
Owner—City of Whittier.
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

## HOTELS

Plans Being Completed.
ADDITION Cost, $——
EUGENE, Oregon.
Two-story addition to present hotel building, approximately 61 rooms with 40 baths.
Owner—Osburn Hotel, Eugene, Ore.
Architect—John Hunzicker, Eugene.

Plans Being Prepared. Construction to Start by April 1st.
HOTEL, ETC. Cost, $200,000
WILLOWS, Glenn Co., Cal. Walnut and Butte Streets.
Four-story brick and stone hotel and stores, 100x300 (70 rooms and 21 baths).
Owner—Willows Improvement Corporation, George L. Briggs, Agent, 144 Butte St., Willows, Cal.
Architect—Austin Moore, Kohl Bldg., San Francisco.
NOTE:—Several offers to lease the proposed structure are no wbeing considered and after satisfactory arrangements regarding the lease are completed it is intended to commence construction.

Plans Being Figured.
HOTEL Cost, $95,000
PORT ANGELES, Washington.
Four-story concrete hotel, 75x120 (approximately 80 rooms).
Owner—Withheld.
Architects—Tourtellotte & Hummel, McKay Bldg., Portland, Ore.

Plans Being Prepared.
HOTEL Cost, $80,000
LA GRANDE, Oregon.
Four-story brick and stone hotel.
Owner—N. K. West, Sonoma Hotel, La Grande, Oregon.
Architects—Tourtellotte & Hummel, McKay Bldg., Portland, Ore.

Sketches Prepared.
HOTEL Cost, $1,250,000
SAN PEDRO, Los Angeles Co., Cal. 7th St. bet. Beacon and Palos Verdes Streets.
Seven-story fireproof hotel building, 200x150 (300 rooms).
Promoters are: Dick Ferris, Tom Jones George L. Moore and Geo. B. Harrison.
Architects—Train & Williams, 226 Exchange Bldg., Los Angeles.
A hotel to cost $300,000 is also contemplated for a site at Sixth and Pacific Avenue by the same promoters.

Completing Plans.
HOTEL Cost, $——
SILVER CITY, New Mexico.
Six-story and basement reinforced concrete hotel, 102x146 (107 rooms and 50 bathrooms.)
Owner—Silver City National Bank.
Architect—John J. Frauenfelder, 1116 Story Bldg., Los Angeles.

## LIBRARIES

Carnegie Trustees Authorize Library Awards.
LIBRARIES Cost, $——
SAN FRANCISCO. N Sacramento St., bet. Baker and Lyon Sts., 117x225.
Two-story brick and concrete library (Presidio Branch), Cost approximately, $50,000.
W Powell St., bet. Washington and Jackson Sts.
One-story reinforced concrete and brick library. Cost approximately, $50,000.
Owner—S. F. Library Trustees Carnegie Fund.
Architect—G. A. Lansburgh, Gunst Bldg., 709 Mission St., San Francisco.
**General Contract (Presidio Branch)** to Barrett & Hilp, Sharon Bldg.
**General Contract (North Beach Branch)** to McLeran & Peterson, Monadnock Bldg.
**Terra Cotta (Both Buildings)** to Gladding, McBean, Crocker Bldg.
**Electric Work (Both Buildings)** to F. E. Newbery Elec. Co., Lick Bldg.
**Plumbing (Both Buildings)** to Alexander Coleman, 706 Ellis St.
**Heating and Ventilating (Both Buildings)** to James & Drucker, 450 Hayes St.
**Painting (Both Buildings)** to Harry Graper, 50 Farren Ave.

## PUBLIC BUILDINGS

REDWOOD CITY, San Mateo Co., Cal.—The following architects, residents of San Mateo County, have been invited to submit designs for the proposed nsw county hospital building:
W. H. Toepke, San Mateo.
T. M. Edwards, San Mateo.
J. R. Miller, Woodside.
Ernest Norberg, Burlingame.
George H. Howard, Hillsborough.
Lewis P. Hobart, San Mateo.
W. L. Schmolle, Burlingame.
Elizabeth M. Nash is County Clerk.

SAN ANDREAS, Calaveras Co., Cal.—The County Supervisors, A. W. Poe, County Clerk, are contemplating the installation of a heating plant in the court house. At the last meeting a representative of the Pacific Gas & Electric Company presented details of an electric heating system but consideration was laid over until the next session.

Plans Completed.
CAPITOL EXTENSION Cost, $3,300,000
SACRAMENTO, Cal.—Capitol Grounds.
Two four-story and basement Class "A" Capitol Extension Buildings (Library and Court Building and Office Building).
Owner—State of California.
Architects—Weeks & Day, Phelan Bldg San Francisco.
Plans will be completed and delivered this week. It is expected bids will be called for shortly.

Plans Being Prepared.
ADDITION Cost, $——
OXNARD, Ventura Co., Cal.
Two-story brick addition, 40x65, to City Hall; 2-story brick addition, 40x40, to library; 2-story brick addition, 24x84, to fire house.
Owner—City of Oxnard.
Architect—Alfred F. Priest, 615 Fay Bldg., Los Angeles.
A bond issue to provide funds for the new improvements will soon be held.

Preliminary Plans Being Prepared.
ADDITION Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal.
Fireproof addition to County Court House.
Owner—County of Santa Cruz. H. H. Miller, County Clerk.
Architect—Allen C. Collins, Santa Cruz.
NOTE:—The addition will provide quarters for a Hall of Records

Plans Being Prepared.
CITY HALL Cost, $80,000
ORANGE, Orange Co., Cal.
Two-story and basement brick City Hall.
Owner—City of Orange.
Architects—Farrel & Anderson, 532 Mason Bldg., Los Angeles.
An election on a bond issue of $80,000 to provide funds for the new City Hall will be held February 17.

## RESIDENCES

Plans Being Prepared.
RESIDENCE, ETC. Cost, $——
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame and brick veneer residence and garage, etc., about 20 rooms.
Owner—Phillip Clay.
Architect—Wm. Knowles, Hearst Bldg., San Francisco.
NOTE:—Construction will be started in about two months.

Contract Awarded.
RESIDENCE Cost, $12,000
SAN FRANCISCO. Sotelo Ave., Forest Hill.
Two-story and basement frame and plaster residence (10 rooms and 3 bathrooms).
Owner—J. W. Marshall.
Architect—Wm. E. Milwain, Albany Blk., Oakland.
Contractor—J. Prout, 2020 Turk St., San Francisco.

Contract Awarded.
ADDITION Cost, $10,000
BERKELEY, Alameda Co., Cal. SW Roble and Tunnel Roads.
Two-story frame (7-room) addition to two-story residence.
Owner—Wm. McDuffie.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractor—Ben Pearson, 2403 Grant St., Berkeley.

Contract Awarded on Percentage Basis.
RESIDENCE Cost, $40,000
ANGELS CAMP, Tuolumne Co., Cal.
Two-story hollow tile residence.
Owner—D. Fricot, Angels Camp, Cal.
Architect—Harold Stoner.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Contract Awarded on a Percentage Basis.
RESIDENCE Cost, $45,000
HILLBOROUGH, San Mateo Co., Cal.
Large one-story frame residence.
Owner—Fred B. Hussey, 95 W-Poplar St., San Mateo.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Segregated Figures Being Taken.
RESIDENCE Cost, $25,000
SAN FRANCISCO, Sea Cliff.
Two-story basement and attic frame and plaster residence (9 rooms and garage).
Owner—Francis H. Crosby.
Architect—Clarence A. Tantau, 251 Kearny St., San Francisco.
Figures are being taken as follows: General contract, plumbing, heating, electric work and ornamental iron.

Plans Being Prepared J
COTTAGE, ETC. Cost, $35,000
SANTA BARBARA, Cal. Santa Barbara County Poor Farm.
Hollow tile superintendent's cottage and a two-story reinforced concrete and hollow tile laundry and boiler house.
Owner—Santa Barbara County.
Architect—Winsor Soule, 1206 State St., Santa Barbara.
Contractor—Edwards, Wildey & Dixon, 515 Black Bldg., Los Angeles.

Completing Plans. Ready for Figures Next Week.
BUNGALOWS Cost, $——
HILLSBOROUGH, San Mateo Co., Cal. Brewer Tract on Lot 100x200.
One-story and basement frame bungalow (6 rooms).
Owner—Mrs. L. M. Abbott, New York.
Architect—Miss Grace Jewett, 57 Post St., San Francisco.

LONG BEACH, Los Angeles Co., Cal. —Architect F. A. Noyes, Jr., 522 American National Bank Bldg., Los Angeles, is preparing plans for 40 residences to be erected in Long Beach for the Chateau Thierry Corporation. The houses will contain from 7 to 12 rooms each and will be of frame and plaster and brick construction with cement plastered exterior finish, shingle, tile and composition roofing, pine and hardwood interior finish, tile and brick fireplaces, tiled bathrooms, gas heating. Day work under the architect's supervision.

Plans Being Prepared. Ready for Figures in Three Weeks.
RESIDENCE Cost, $7,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame residence and garage (6 rooms.)
Owner—Withheld.
Architects—Morrow & Garren, Chronicle Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $20,000
LONG BEACH, Los Angeles Co., Cal. East Ocean Blvd.
Two-story, ten-room frame and plaster residence (tile roof).
Owner—E. H. Shaw.
Architect—W. Horace Austin, First National Bank Bldg., Long Beach.

Plans Prepared. To be Done by Days Work.
RESIDENCE Cost, $——
LOS ANGELES, Cal. Los Feliz Blvd. near Vermont Ave.
Two-story and basement brick and stone residence (12 rooms, 4 bathrooms, billiard room, etc.)
Owner—Mrs. C. E. Wiswall.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.

## SCHOOLS

Plans Being Figured. Bids Close Feb. 21st, 5 P. M.
SCHOOL Cost, $90,000
ANTIOCH, Contra Costa Co., Cal.
One-story concrete and brick veneer school building.
Owner—Antioch School District.
Architect—Wm. H. Weeks, 75 Post St., San Francisco.
Separate bids will be received as follows:
1. Excavating, grading, filling and concrete work.
2. Brick work.
3. Carpenter work.
4. Plumbing work.
5. Sheet Metal work.
6. Composition roofing.
7. Terra Cotta tile roofing.
8. Plastering work.
9. Electric work.
10. Painting
11. Finish hardware.
12. Blackboards.
13. Window shades.
14. Composition flooring.

Figures to be Called for Next Week.
SCHOOL Cost, $18,000
ELVERTA, Sacramento Co., Cal. Elverta School District.
One-story interlocking tile and plaster school.
Owner—Elverta School District.
Architect—Geo. C. Sellon, 1005 8th St., Sacramento.

Plans Being Figured. Bids Close Feb. 27, 1920; at 4 P. M.
SCHOOL Cost, $60,000
LOVELOCK, Nevada.
One-story and basement brick school (2 rooms and auditorium).
Owner—Lovelock School District.
Architect—Geo. C. Sellon, 1005 8th St., Sacramento.

Plans Being Prepared.
SCHOOL Cost, $90,000
REDDING, Shasta Co., Cal.
Fireproof school.
Owner—Redding Grammar School District.
Architect—Geo. C. Sellon, 1005 8th St., Sacramento.

Plans Being Figured. Bids Close Feb. 16th, 6 P M.
SCHOOLS Cost, $——
OAKLAND, Cal. Washington Street, Bet. 14th and 15th Streets.
Construction of four unit open air schools.
Owner—City of Oakland.
Architect—Not Given:
Plans may be had from the Board of Education. Lloyd D. Barzee, Secretary-Business Manager, Room 1104 Oakland City Hall.

Plans Being Prepared. Election to Vote Bonds Set for Feb. 17th.
SCHOOL Cost, $50,000
LINCOLN, Placer Co., Cal.
One-story frame, plaster and tile school (8 classrooms, auditorium, seating 600).
Owner—Lincoln Grammar School District.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
NOTE:—Products of Gladding, McBean Company will be used in the structure as much as possible.

Bonds Sold. To Call Bids Shortly.
SCHOOL Cost, $75,000
KINGSBURG, Fresno Co., Cal.
Brick high school building.
Owner—Kingsburg Joint Union High School District.
Architect—Anton Johnson, Kingsburg.

YREKA, Siskiyou Co., Cal.—Provost Bros. of Ashland, Oregon, have been awarded a contract at $5,099 for installing the heating in the new one-story and basement brick grammar school for the Yreka School District. Plans were prepared by Architect Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Contracts Awarded.
SCHOOL. Cost, $——
BERKELEY, Alameda Co., Cal. Grove, Milvia, Channing Way and Bancroft Way.
Three-story reinforced concrete high school building, 28 rooms (academic and administration building).
Owner—City of Berkeley.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
**Carpentry Work** to Walter Sorensen, 3219 Ellis St., Berkeley, $82,429.
**Lathing and Plastering** to A. Knowles, Call Bldg., San Francisco, $34,900.
**Concrete Work** to K. E. Parker Co., 519 California St., San Francisco, $126,-750.
**Masonry to White & Gloor,** Monadnock Bldg., San Francisco, $8,580.
**Excavating and Grading** to J. J. Green, $2,250.

**Ornamental Iron** to Pacific Iron Works, 1155 67th St., Oakland, $815.

**Painting** to R. Zelinsky, 110 Jessie St., San Francisco, $7,385.

**Shades and Linoleum** to W. & J. Sloane, 224 Sutter St., San Francisco, $12,-140.

**Plumbing** to Scott Co., 381 11th St., Oakland, $13,675.

**Electrical Work** to F. E. Newbery Elec. Co., 163 Sutter St., San Francisco $21,800.

**Heating and Ventilating** to W. K. Nottingham, 368 10th St., Oakland, $11,-999.

**Lockers** to Berger & Co., 1120 Mission St., San Francisco, $8,968.

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Plans Being Figured.
SCHOOL. Cost, $125,000
MARTINEZ, Contra Costa Co., Cal.
Two-story brick or reinforced concrete High School (16 rooms and an assembly hall.)
Owner—Alhambra High School District
Architect—A. A. Cantin, 68 Post St., San Francisco.
Figures are being taken for a general contract for both brick or reinforced concrete construction.
Plans may be obtained from Mr. Cantin's office or from the Clerk of the Board. Three or four weeks will be allowed for figuring. The closing date will be announced in these reports later.

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Plans Being Figured.
SCHOOL Cost, $——
GLENDALE, Los Angeles Co., Cal. Broadway School and Wilson School sites.
Eight-room hollow tile grammar school building and four-room brick addition to Wilson Street School.
Owner—City of Glendale.
Architect—Jeffery & Schaefer. 1106 Kerckhoff Bldg., Los Angeles.

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Preliminary Plans Being Prepared. Bonds to Be Voted.
SCHOOL Cost, $——
MADERA, Madera Co., Cal.
Grammar School Building.
Owner—Madera Grammar School District. W. M. Hughes, Chairman of School Board.
Architect—Coates & Travers, Rowell Bldg., Fresno, Calif.

## STORES AND OFFICES

Plans Being Prepared.
AUTO SALES ROOMS, ETC. Cost, $——
SAN JOSE, Santa Clara Co., Cal. South First Street.
One and two-story reinforced concrete and brick auto sales rooms, garage and apartments.
Owner—Charles J. Vatb.
Architects—Wallace & Bush, Bank of San Jose Bldg., San Jose.

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Brick Work Contract Awarded. Others to be Awarded Shortly.
AUTO SALES BLDG. Cost, $20,000
SAN FRANCISCO. W Larkin Street 82-6 S Turk Street.
One-story brick auto sales building.
Owner—Helen Estate.
Architect—Edgar A. Mathews, Call Bldg., San Francisco.
**Brick Work** awarded to N. Anderson, 180 Jessie St.
Contracts will be awarded this week all other parts of the work.

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Ready For Figures In a Week.
MARKET BLDG. Cost, $40,000
SAN FRANCISCO. N Clay Street near Sansome.
Two-story and basement reinforced concrete wholesale meat market building, 44x120.
Owner—Isabella M. Cowell.
Lessee—Baumgarten Bros., 1495 Ellis St., San Francisco.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Figures will be taken for a general contract.

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Plans Being Figured.
ADDITION Cost, $150,000
SEATTLE, Wash.
Two-story reinforced concrete and brick addition to offices, 20,000 additional feet of floor space.
Owner—Arcade Building & Realty Co., Arcade Bldg., Seattle, Wash.
Architect—Harlan Thomas, Arcade Bldg., Seattle, Wash.

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AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. Van Ness Avenue, O'Farrell and Polk Streets.
Six or eight-story Class "A" auto sales building.
Owner—Don Lee, Representative of the Cadillac Automobile.
Architect—Not Selected.
Preliminary plans have been prepared by the following three architects: Bakewell & Brown, G. A. Lanshurgh and Willis Polk & Co.

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Steel Contract Awarded. Segregated Figures to be Taken on all Other Parts of the Work.
STORES AND LOFT.
SAN FRANSICCO. NE Bush and Chatham Place (W of Kearny Street.)
Two-story brick stores and loft building, 75x85.
Owner—M. S. Show.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
The steel contract has been awarded to Chas. W. Withington Co., 416 2nd St., San Francisco.

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Plans to be Prepared. Site Purchased.
OFFICES AND STORES Cost, $60,000
CHICO, Butte Co., Cal. Third and Salem Streets.
Two-story fireproof doctors' offices and stores.
Owners—C. F. Reynolds and J. H. Minderman, Chico.
Architect—Not Yet Selected.
NOTE:—The structure will be known as the "Physicians' Building," and will be occupied by doctors and dentists.

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Preliminary Plans Prepared.
OFFICE BUILDING Cost, $——
FRESNO, Fresno Co., Cal.
Six-story Class "A" office building, 80 x100, (pressed brick and terra cotta facing.)
Owner—Fresno City Water Co., "H" and Tulare Sts., Fresno.
Structural Engineer—Lee R. Duncan, Care San Joaquin Light & Power Co., 1801 Tulare St., Fresno.

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Contract Awarded
STORES Cost, $80,000
LONG BEACH, Los Angeles Co., Cal W Ocean Blvd. near Cedar Way.
Two-story brick store building (six stores, cafeteria and bowling alley).
Owner—H. S. Callahan.
Architect—None given.
Contractor—C. T. McGrew, 1345 W Ocean Ave., Long Beach, Cal.
Grading and excavating awarded to Graham Bros., and the brick work to the Long Beach Brick Co.

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Plans Ready for Figures.
FURNITURE STORE Cost, $60,000
FRESNO, Fresno Co., Cal. North "J" Street.
Two-story and basement concrete hotel furniture store building 50x 135.
Owner—Daniel Kalyjian (Fresno Furniture Co.)
Engineer—L. H. Nishkian, Monadnock Bldg., San Francisco.
The excavation contract has been awarded to W. B. Ariss.

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To Be Done by Day's Work.
AUTO SALES BLDG., ETC Cost, $175,000 to $200,000.
SAN FRANCISCO. Cor. Market and Eleventh Streets.
Three-story reinforced concrete auto sales and garage building.
Owner—P. J. Gartland, 1396 16th St., San Francisco.
Architect and Engineer—Otto Schiller, 1153 Ashbury St., San Francisco.
Excavating work is underway and a contract for the steel has been let for about $24,000.
Figures will be taken for materials and sub-contracts by Mr. Gartland, who is a contractor.

## THEATRES

Contract Awarded on a Percentage Basis.
ALTERATIONS Cost, $125,000
STOCKTON, San Joaquin Co., Cal. Main and San Joaquin Streets.
Extensive alterations to theatre and store (new entrance, interior decoration, heating system, etc.)
Owner—Yosemite Theatre Co.
Architects—Weeks & Day, Phelan Bldg., San Francisco.
Contractors—Macdonald & Kahn, Rialto Bldg., San Francisco.

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Plans Being Prepared.
THEATRE Cost, $90,000
NAPA, Napa Co., Cal.
Reinforced concrete and brick motion picture theatre and 2 stores (1800 seats).
Owner—S. Gordon of San Francisco and R. Blumenfeld and J. Knox of Napa
Architects—Reid Bros., 105 Montgomery St., San Francisco.
NOTE:—Plans were prepared last year for a smaller building. A new site has been secured which is considerably larger and new plans will be prepared.

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Plans Being Prepared.
THEATRE Cost, $——
GLENDALE, Los Angeles Co., Cal. Brand Boulevard.
Fireproof moving picture theatre, 75x 180, also 2 stores (stucco and terra cotta facing).
Owner—Dr. W. C. Goodno, 397 S-El Molino Ave., Pasadena
Architect—Alfred F. Priest, 615 Fay Bldg., Los Angeles.

Preliminary Plans Approved. Working Drawings Being Prepared.
OFFICE AND THEATRE BLDG.
Cost, $1,500,000 or more.
SAN FRANCISCO. Market and Taylor Streets.
Class "A" office and theatre building.
Owner—Loew-Ackerman & Harris.
Architect—G. Albert Lansburg, 709 Mission St., San Francisco.

Preliminary Plans Being Prepared.
THEATRE AND OFFICE BLDG.
Cost, $1,500,000.
LOS ANGELES. SE Sixth and Olive Streets.
Twelve-story Class "A" theatre and office building.
Owner—Mr. Calney, who is now in Chicago promoting the project.
Architect—W. J. Dodd and Wm. Richards, Engineer, 905 Brack-Shops Bldg., Los Angeles.

# ENGINEERING

## BRIDGES, DAMS & HARBOR WORK

STOCKTON, San Joaquin Co., Cal.—Bids will be received by County Clerk Eugene D. Graham, up to March 2nd, 10 A. M., for reflooring the Mowry Bridge over Middle River, near Undine, in Tulare Road District, in accordance with specifications prepared by County Surveyor F. F. Quail.

SAN LEANDRO, Alameda Co., Cal.—It will cost approximately $20,000 to widen the concrete bridge over San Leandro Creek, according to estimates presented at the last meeting of the City Trustees.

Early action is expected in putting this improvement under way. It is planned to have the Alameda County Engineer prepare the necessary plans.

RENO, Nevada—Bids will be received by the Washoe County Commissioners, E. H. Beemer, County Clerk, Reno, up to March 10th, 12 M., for the construction of a reinforced concrete arch bridge across the Truckee River at the westerly end of Riverside avenue and part of Washoe County.

The work for which bids are invited will consist of the removal of the existing wooden bridge, the removal of the existing stone masonry, and the construction of a new bridge of reinforced concrete.

The new bridge will be about 34 feet wide and about 170 feet long. It will consist of one arch span which will be 120 feet, and the necessary approaches.

Plans were prepared by C. R. Hill, Consulting Engineer, Reno, Nevada.

SAN ANDREAS, Calaveras Co., Cal.—Two bids were received by the Calaveras County Supervisors for the construction of reinforced concrete bridges across Murphy Creek at Holland, at Electric Plant and Haywoods:

E. H. Martin, Oakland, Holland bridge, $7,197.16; electric plant, $2,162.68; Haywoods, $1,869.82. Three structures complete, $10,929.66.

Bordwell & Zimmerman, Calistoga, Cal., three structures complete, $11,572.

The bids of E. H. Martin were accepted. A. W. Poe is Calaveras County Clerk.

NEVADA CITY, Nevada Co., Cal.—Two new bridges are to be constructed by the State Highway Commission for Nevada County, one at Freeman's Crossing, on the Middle Yuba and the other on the South Yuba at Jones Bar. Plans are now being completed by the State Highway Commission.

PORTLAND, Ore.—The State Highway Commission, Yeon Bldg., Portland, has awarded the following contracts for bridge construction:

**Young's Bay Bridge** to Gilpin Construction Co., Astoria, Ore., $308,620.60.

**Tillamook City Bridge** to Pacific Foundation Co., $10,332.

**Adams-Athena Bridge** to Ryner-Dickie, $13,627.50.

**Athena-Milton Bridge** to Ryner-Dickie, $10,864.20.

**Mosier-Rowena Bridge on Mosier Creek** to Lindstrom & Feigensen, $42,761.75.

PORTLAND, Ore.—The State Highway Commission, Yeon Bldg., Portland, has rejected bids submitted for the construction of the Mosier-Rowena bridge across Dry Canyon and new bids will probably be called. The lowest bid for the structure was $23,837.

OAKLAND, Cal.—Preliminary survey of the cost and practicability of constructing an underwater tube under the estuary instead of the proposed bascule bridge has been ordered by the Board of Supervisors of Alameda County, as a result of the recommendation of City Manager Hewes of Alameda.

It is the belief of engineers that the east bay tube system could be completed for aproximately $5,000,000 while some believe it would cost close to $10,000,000.

Geo. E. Gross is Alameda County Clerk.

VISALIA, Tulare Co., Cal.—Bids will be received by the County Supervisors, Geo. R. Prestidge, County Clerk, up to March 2nd, 12 M., for the construction of the Kings River bridge on the state highway between Dinuba and Kingsburg.

RED BLUFF, Tehama Co., Cal.—Plans for concrete bridges over Mill, Thomes, and Red Bank Creeks, on the state highway have been submitted to the State Highway Commission by the County Supervisors, H. G. Kuhn, County Clerk, and on aproval of the Commission the Supervisors will call for bids for construction.

LOS ANGELES, Los Angeles Co., Cal.—The Ross Construction Co. of Sacramento and Point Loma, Cal., was awarded the contract at $65,670 for improving the flood channel of Ballona creek, involving 170,000 cu. yds. excavation at 37.4c yd. The work consists of dredging a channel 150 ft. wide and averaging 4 to 5 ft. in depth from a point near Palms to the ocean at Playa Del Rey. The work is divided into three sections involving 50,000, 90,000 and 30,000 cu. yds., respectively.

EUREKA, Humboldt Co., Cal.—The Supervisors have received a petition asking the county to take over the so-called Ryan Slough Road and that same be graded and graveled. No action has been taken.

On recommendation of County Engineer Arthur Logan the Board will shortly call bids for constructing concrete approaches to the Ferndale bridge the present wooden approaches being unsatisfactory.

Engineer Logan reported that he had found a suitable route for the proposed road into Laribee valley between the highway near Miranda and the Salmon Creek road. The construction of the road, under this route, would be 1.8 miles in length and would cost approximately $5,500 with 270 foot bridge over the South Fork of the Eel River $20,000 or $25,000 according to the kind built. Fred M. Kay is County Clerk.

REDWOOD CITY, San Mateo Co., Cal.—March 1st, 7:30 P. M., is the time set by the City Trustees to open bids for the construction of the following bridges:

Reinforced concrete bridge across a branch of Redwood Creek on Lathrop street between Elm and Maple streets.

Reinforced concrete bridge across a branch of Redwood Creek on Oak avenue between Davis and Woodrow Sts.

Reinforced concrete bridge across a branch of Redwood Creek on Ebener street between Redwood and Oak Aves.

Certified check for 10% payable to Town of Redwood City must accompany each bid. W. A. Price is City Clerk.

## IRRIGATION PROJECTS

MERCED, Merced Co., Cal.—John D. Galloway of the firm of Galloway & Markwart, First National Bank Bldg., San Francisco, has been selected to handle the engineering features of the immense project of the Merced Irrigation District which will take about seven months to complete.

SUISUN, Solano Co., Cal.—Petitions will be presented to the State Water Commission in the near future for permission to appropriate water for lands in the proposed Suisun Irrigation District.

OROVILLE, Butte Co., Cal.—Drainage District Number 2, comprising some 6,000 acres west of Richvale and Nelson, has been organized by the Board of Supervisors. At the hearing held by the Board no objection to the organization of the district was made by the property owners.

The plans of the district provide for clearing out Dry Creek for a short distance and for building a ditch from Dry Creek to Butte Creek.

The organizers are O. W. March, J. B. Stewart, C. W. Kesterson, W. D'Egilbert, Western Rice Company, Union Enterprise Company, Arvilla Bradford, Mrs. R. A. Curtis, Esther McCraig, Grell Brothers, J. L. McLain, Louella Stapleton, March and Barnard, J. B. Hook and R. P. Holmes.

C. F. Belding is County Clerk.

PARADISE, Butte Co., Cal.—The resignation of C. L. Compton, Chief Engineer for the Paradise Irrigation District, has been accepted by the Board of Directors. L. M. Edwards has been apointed to fill the vacancy.

CALEXICO, Imperial Co., Cal.—Until 8 P. M., February 24, bids will be received by City Clerk Paul B. Steintorf, for the following: One horizontal double suction pump and one 75-h. p. 1200 R. P. M. 220 volt, 3-phase, 60 cycle motor; one 75-h. p. semi-Diesel vertical engine in accordance with specifications which may be obtained from the City Clerk; prices to be quoted f. o. b. Calexico. Certified check for 10% required.

Separate bids will be received at the same meeting for check and gate valves, elbows, tees, flanges, nipples, pipe, 2½ K. W. 125 V. D. C. generator, switch and volt meter in accordance with list which may be obtained on application. Certified check for 10% required.

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SAN FRANCISCO—The following permits have been granted by the State Water Commission, Call Bldg., San Francisco, to appropriate water:

Application 1177, Permit 656A—Issued to P. N. Ashley, Woodland, for diversion of 14 3-10 cubic feet per second from main drainage canal of Drainage District 100, Butte County, for agricultural purposes. Water is to be diverted by means of two 12" Centrifugal pumps of 5000 gals. per minute capacity.

Application 1299, Permit 657—Issued to Samuel J. Nunn, Edna L. Nunn and Allie M. Nunn, for 3½ cubic feet per second from drainage ditch of Drainage District 100, Butte County, for agricultural purposes. Water is to be diveted by means of service ditches.

Application 1296, Permit 658—Issued to Independence Mining & Milling Company of California, Independence, Cal., for 12½ cubic feet per second from Little Pine Creek, Inyo County, for power purposes. Diversion works consist of main pipe line and a concrete dam 7½' high, 16' long on top and 10' long at bottom. Total amount of power to be developed 471.6 T. H. P.

Application 1415, Permit 663—Issued to Samuel J. Nunn, Edna L. Nunn, and Allie M. Nunn, Chico, 3½ cubic feet per second from drainage ditch of Drainage District 100 in Butte County, for agricultural purposes. Diversion of water to be by means of service ditches.

Application 1339, Permit 668—Issued to Sierra & S. F. Power Co., San Francisco, for 150 cubic feet per second from S. Fk. Stanislaus River, Tuolumne County, for power purposes. Diversion works: Ditch and flume 17.63 miles long and a dam 11' high, 52' long on top and 46' long at bottom, of masonry and concrete, with spillway over dam. Amount power to be developed 57,272 T. H. P.

Application 1226, Permit 669—Issued to Duncan P. McIntosh and D. J. McIntosh, Willow Cr., Humboldt County, for ⅛ cubic feet per second from Braemar Cr., Humboldt County, for agricultural purposes.

**Applications for Permits Have Been Filed With the Commission as Follows:**

City of Los Angeles, 20 cubic feet per second from Baker Creek, Inyo County, tributary to Owens River, for power purposes. Amount of power to be developed 6507 T. H. P. Amount of water to be stored 10,000 acre feet. Diversion works consist of two dams, each 10' high, 100' long on top and 50' long at bottom, constructed of concrete, arranged for spillway over crest with concrete lined conduit leading off from one side to sand box and sluicing gate; and conduits, tunnels and pipe lines for 3 plants 10.08 miles long. Estimated cost of proposed works $700,000. 1606.

South Feather Land & Water Co., Sacramento, 50,000 acre feet per annum from S. Fork Feather River, for agricultural purposes on approximately 30,000 acres. Water will be diverted by means of canal and pipe line, and concrete dam 20' high, 110' long on top and 80' long at bottom. Estimated cost $1,000,000. 1608.

F. L. Fehren, San Jose, 100 cubic feet per second from San Joaquin River, for irrigation of 9000 acres. Applicant allowed to June 1, 1920, to complete application. 1609.

Owen H. Barnhill, Cedarville, 3 cubic feet per second from Granger Creek, Modoc County, tributary Middle Lake, for agricultural purposes on 105 acres. Main canal to be ½ mile long, and rock and brush dam 5' high, 50' long on top and 49' long at bottom. 1610.

D. W. Carmichael, Sacramento, 30 cubic feet per second from Feather River, Sutter County, tributary of Sacramento River, for irrigation of rice land—800 acres. Applicant allowed 60 days from Jan. 8, 1920, to perfect his application. 1611.

Excelsior Water & Mining Co., Sacramento, 60,000 acre feet to be impounded in Madola Reservoir, of waters of Deer Creek, Nevada County, tributary to Yuba River, for irrigation of 22,000 acres. Water to be diverted through main canals 24 miles long. Diversion dam already constructed. Estimated cost $1,900,000. Applicant allowed 60 days from Jan. 9, 1920, to complete application. 1614.

Excelsior Water & Mining Co., Sacramento, 4000 inches from Deer Creek, Nevada County, tributary to Yuba River, for agricultural purposes on 22,000 acres. Diversion works same as those described under App. 1614. Applicant allowed 60 days from Jan. 9, 1920, to perfect. 1615.

Excelsior Water & Mining Co., 5000 inches from S. Fork of Yuba River, Nevada County, for irrigation of 22,000 acres. Allowed 60 days from Jan. 9, 1920, to perfect application. 1616.

A. N. Lewis Estate, Alameda, 10 second feet from Sacramento River, Colusa County, for irrigation of rice—600 acres. Diversion to be by means of 20 inch pump on bank of river. Estimated cost $11,000. Allowed 60 days from Jan. 9, 1920, to file maps. 1617.

Sespe Light & Power Co., Los Angeles, 250 cubic feet per second from Piru Creek, Ventura County, tributary to Santa Clara River, for power purposes. Applicant allowed 6 months from Jan. 20, 1920, to file maps. 1619.

Frank Buren and Mason Bradfield, Trustees, Los Angeles, 250 cubic feet per second from Piru Creek, Ventura County, tributary to Santa Clara River, for agricultural purposes. Extension of 6 months from Jan. 20, 1920, to file maps, granted. 1620.

Monitor Gun Club, Sacramento, 25 second feet from Feather River, Sutter County, tributary to Sacramento River, for irrigation of 1010 acres. Diversion works consist of main ditch 2.4 miles long and pumping plant with one 12" and one 15" pump. Estimated cost $10,000. 1621.

Emeline Wilson, Grimes, Colusa Co., 30 cubic feet per second from Sacramento River, Colusa County, for irrigation of 920 acres. Main canal 2 miles long, 20" horizontal centrifugal pump, pumping through a 24" pipe. Estimated cost $20,200. Allowed 60 days from Jan. 21, 1920, to complete. 1622.

Henry J. Barton, Yreka—Application 1625, 25 cubic feet per second from Beaver Creek, Siskiyou County, tributary Klamath River, for mining purposes; and Application 1626, 25 cubic feet per second from W. Fork Beaver Creek, for mining purposes. (Allowed 60 days from Jan. 14, 1920, to file maps). 1625 and 1626.

Albert Givan, Sacramento, 35 cubic feet per second from Feather River, for irrigation of 3500 acres. Water to be diverted by means of main pipe line 4.8 miles long, and a pumping plant on river bank, concrete pumping station—one 20" and one 10" centrifugal electrically operated pump. Estimated cost proposed works $65,000. 1627.

Applications 1629 and 1639, filed by City of Los Angeles; Application 1629, for 14,500 acre feet per annum from Rock Creek, Inyo County, tributary Owens River, for power purposes. Amount of power to be developed 6790 T. H. P. Diversion works consist of main canal 6 miles long, and storage reservoir. Estimated cost of proposed works $350,000. Application 1630, for 14 cubic feet per second from E. Fork Rock Creek, Inyo County, tributary Rock Creek, for power purposes. Amt. of power to be developed 1694 T. H. P. Diversion works consist of main canal 1.55 miles long, and concrete dam 10' high, 100' long on top, and 50' long at bottom. Estimated cost $85,000. 1629 and 1630.

R. A. Moncure, Modesto, 25 cubic feet per second from Tuolumne River, Stanislaus County, tributary to San Joaquin River, for irrigation of 456 acres. Diversion to be by means of pumping plant consisting of 12" pump with 40 H. P. electric motor. Estimated cost $10,000. (Allowed 60 days from Jan. 24, 1920, to file maps). 1623.

J. M. Wright, Los Angeles, 50,000 acre feet from Big Rock Creek, for irrigation of 10,000 acres. Main canals 5 miles long and concrete dam 25' high and 100' long on top, will divert water. Estimated cost $800,000. 1635.

Natomas Co. of California, San Francisco, 90 cubic feet per second from Feather River, Sutter Co., tributary to Sacramento River, for agricultural purposes on 7253 acres. Water will be diverted into main canal 7.46 miles long and pumped onto lands by means of 2 centrifugal pumps, one 24" and one 14". Estimated cost $216,000. (Allowed 60 days from Jan. 22, 1920, to complete). 1636.

K. E. Enslow, San Francisco, 8 cubic feet per second from Mosquite Creek, and 25 cubic feet per second from Fall River, for irrigation of 7040 acres. Amount of water to be stored 20,000 acre feet. Diversion works consist of canal 15 miles long and a timber dam 6' high, 60' ong on top and 25' long at bottom. Estimated cost $300,000. (Allowed 90 days from Jan. 23, 1920, to perfect application). 1637.

W. E. Bunker and A. P. Miller, as Trustees for proposed W. Joaquin Irrigation District, Gustine, Merced County, 2500 cubic feet per second direct diversion and 400,000 acre feet per annum for storage of waters of San Joaquin River, in Madera and Fresno Counties, for irrigation of about 208,000 acres. (Application is incomplete). 1638.

City of Los Angeles, 250 cubic feet per second from S. Fork Kern River, Tulare County, tributary to Kern River, for power for municipal purposes. Amount of power to be developed 45,000 T. H. P. Amount of water to be stored 25,000 acre feet. Diversion works consist of conduit tunnel and pipe lines, 13½ miles long, and a timber crib or earth fill dam 20' high, about 200' long on top and about 50' long at bottom. Estimated cost $3,000,000. 1639.

Isaac Springer, Los Angeles, all unappropriated water from Big Rock Creek, Los Angeles County, for irrigation of 10,000 acres. Allowed 60 days from Jan. 24, 1920, to file amended application. 1642.

Honcut-Yuba Irrigation District, Honcut, Butte County, 100,000 acre feet per annum from North Honcut, South Honcut and Wyandotte Creeks, for irrigation of 30,000 acres. Water to be diverted over an earth dam 100' high, 600' long on top and 100' long at bottom. 1646.

## LIGHTING SYSTEMS

SAN MATEO, San Mateo Co., Cal.—The installation of a modern electrolier system was discussed at the last meeting of the City Trustees, E. W. Foster, City Clerk. According to estimates submitted by Trustee J. F. Turner the installation would cost in the neighborhood of $1.40 per foot of frontage in the district where the system is to be installed.

## SEWERS, STREET WORK & WATER SYSTEMS

CHICO, Butte Co., Cal.—F. S. Robinson, City Engineer, has completed surveys for the construction of sidewalks in the Chico Vecino District where a considerable amount of street work is planned, including the widening of Sacramento avenue.

Ira R. Morrison is City Clerk.

SAN ANDREAS, Calaveras Co., Cal.—The County Supervisors, A. W. Poe, County Clerk, are considering the repair and reconstruction of the road from San Andreas to West Point, a petition having been received asking that the work be done.

SAN LEANDRO, Alameda Co., Cal.—The City Council, J. J. Gill, City Clerk, has passed a resolution of intention providing for the construction of a sewer in Peralta avenue including brick manholes, etc. R. H. Goodwin is City Engineer.

VALLEJO, Solano Co., Cal.—City Engineer T. D. Kilkenny has been instructed by the Council to take steps for the construction of cement concrete sidewalks, where not already, fronting property in streets which have been improved.

Alf. E. Edgecumbe is City Clerk.

LOS ANGELES, Los Angeles Co., Cal.—G. T. McLain, 1184 N. Berendo St., Los Angeles, was awarded the contract at $29,000 for constructing 12,680 lin. ft. of 5-in. oiled macadam pavement 22 feet wide on Franciscquito avenue between Covina Blvd. and Glendora Ave., near Puente, in Road Improvement District 147-A. Approximate quantities involved: 3150 cu. yds. excavation; 12,700 lin. ft. shaping road bed; 9400 tons of crushed rock; 740 bbls. of oil; 207 cu. yds. Class A concrete in dips; 720 lbs. reinforcing steel; 240 ft. 18-in. and 32 ft. 12-in. corrugated matel pipe culvert. The county will furnish the crushed rock.

SAN LEANDRO, Alameda Co., Cal.—City Engineer R. H. Goodwin has been instructed by the City Council to prepare plans for the improvement of Alvarado street from Castro to Hepburn.

SAN LEANDRO, Alameda Co., Cal.—The City Council has awarded a contract to Antonio G. Silva for the improvement of Williams street from the west line of Washington avenue to the westerly city boundary. The bid was:

Grading street 2½ cents sq. ft.
Macadamizing, 7½ cents sq. ft.
Redwood curbing, 22 cents lin. ft.

J. J. Gill is City Clerk and R. H. Goodwin, City Engineer.

LONG BEACH, Los Angeles Co., Cal.—Until 10 A. M., February 17, bids will be received by City Clerk H. C. Waughop for improving Seventh street between Atlantic and Redondo avenues, by paving with one course 5-in. concrete, and constructing cement curb and gutter, vitrified and corrugated metal pipe culverts and vitrified pipe connecting sewer.

At the same meeting separate bids will be received for grading and paving with asphalt macadam the alleys in Blocks 72, 73, 74, 75 and 45, resubdivision of part of Alamitos Beach townsite. Work will be done under Improvement Act of 1911. A De Ruiz, City Engineer.

RENO, Nevada—Bids will be received by J. E. Sullivan, City Clerk, up to February 23rd, 8 P. M., for furnishing and delivering to the City of Reno 5,000 cubic yards of crushed rock. Specifications may be obtained from the City Engineer's office, Reno.

RIVERSIDE, Riverside Co., Cal.—The City of Riverside submitted the lowest bid at $32,363 for paving Magnolia avenue between Jurupa and Arlington avenues, about 1 mile, with oil macadam and constructing corrugated iron and concrete culverts and a cement pipe draining sewer. This bid was about $3,000 lower than any submitted by the contractors bidding on the work.

ALBUQUERQUE, N. M.—Until 2 P. M., February 16, bids will be received by the U. S. Bureau of Public Roads, 218 Luna-Strickler Bldg., Albuquerque, for constructing the Capitan-Nogal hill project located partly within Lincoln National forest, Lincoln Co., N. M. The road is 6.72 miles in length and the work will involve 1197 cu. yds. rock excavation, 11,531 cu. yds. common excavation, corrugated metal pipe and log culverts. E. S. Wheeler, acting district engineer.

YUBA CITY, Sutter Co., Cal.—Reclamation District No. 1660 lying north of District No. 1500 and east of District No 70, comprising 16,000 acres, are arranging for the commencement of work on the reclamation project, plans for which have been approved by the State Reclamation Board. New levees, drainage system, etc., will be constructed.

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PACIFIC PIPE CO.,
231 Howard St. San Francisco

YUBA CITY, Sutter Co., Cal.—The County Supervisors are considering the widening of the county road at Bogue and have directed County Engineer Edward Von Geldern to confer with the S. P. Railroad officials regarding the exchange of land necessary to complete the work.

VALLEJO, Solano Co., Cal.—The City Council, T. D. Kilkenney, City Engineer, has granted a permit to the Worswick Construction Co., Foot of Georgia St., Vallejo, to improve Everett Place under private contract. An asphaltic base will be used.

Alf. E. Edgecumbe is City Clerk.

SALINAS, Monterey Co., Cal.—Bids will be received by the County Supervisors, T. P. Joy, County Clerk, up to 2 P. M., March 2nd, for the grading of that portion of the Salinas-Watsonville road from Werner hill to a point one mile north of Elkhorn slough.

Howard Cozzens is County Engineer.

LAKEPORT, Lake Co., Cal.—The Lakeport Town Trustees have adopted specifications for sidewalking Main street except where cement sidewalks exist, on both sides for a distance of twenty-three blocks. The plan calls for construction of 28,386 square feet of cement sidewalk and 6,446 lineal feet of curbing.

Clarence E. Tindall is Town Clerk.

VALLEJO, Solano Co., Cal.—T. D. Kilkenny, City Engineer, has been instructed by the Council to prepare plans and specifications for a sewer in Fourth street from Cherry street south for a distance of 150 feet.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Bids will be received by William J. Smith, City Clerk, up to February 23rd, 8 p. m., for excavation work, etc., for a driveway in the Civic Center site for the proposed city hall. Certified check of 10 per cent payable to City of South San Francisco must accompany each bid.

SELMA, Fresno Co., Cal.—The City Engineer has been instructed by the Trustees to prepare estimates of cost for the construction of a sixteen-inch outfall sewer line and septic tank. The work is to be undertaken in the immediate future.

MANHATTAN BEACH, Los Angeles Co., Cal.—Four bids, all on a cost-plus fee basis, were received by the City Trustees for relaying and recaulking about 10 miles of city water mains for which $30,000 bonds have been voted. Wm. D. Walsh, 1235 Dewey avenue, Los Angeles, Fleming Constr. Co. of Pomona, and the Foundation Co. each bid cost plus 10% and the Thos. Haverty Co. of Los Angels, bid cost plus 12%. The bids were taken under advisement until February 16.

EUREKA, Humboldt Co., Cal.—The City Council has granted permission to property owners, to grade and gravel "A" street between Wabash and Murray avenue, under private contract and has taken under advisement the petition asking the improvement, under private contract, of "W" street between Third and Fourth streets by grading and graveling.

J. P. Wunderlich is City Clerk.

UPLAND, San Bernardino Co., Cal.—H. H. Lienau, Redlands, submitted the lowest bid and was awarded the contract at $107,486.49 for paving Euclid Ave between Tenth and Twenty-fourth Sts., involving 37,148 lin. ft. cement curb at 22c ft.; 551,190 sq. ft. resurfacing with ½-in. oil and rock screenings at 2.8c ft.; 574,600 sq. ft. 4-in. concrete paving at 14¼c ft., and 340 lin. ft. culverts at $2000. Other bids received were: W. C. Cline, 23c curb, 2¼c surfacing, 15c paving, $2210 culverts; total $109,345.93. Fleming Constr. Co., 24c curb, 2⅝c surfacing; 15c paving, $1500 culverts; total, $111,074.39. Pearson & Summers, 24c curb, 2c surfacing, 15½c paving, $3880 culverts; total, $112,810.15. Work will be done under Improvement Act of 1911. F. C. Froedhe, City Engineer.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors, Eugene D. Graham, County Clerk, has appointed J. P. Spooner Jr., as Assistant County Engineer in charge of highway maintenance, on recommendation of F. E. Quail, County Surveyor.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has adopted plans and passed resolutions of intention providing for the improvement of Tenth street from Clay to Jefferson Sts. by grading; constructing concrete curbs and gutters and paving with asphalt.

A resolution of intention has also been passed for the improvement of Prentiss street, Prentiss Place, and portions of Davis street and Fruitvale avenue by grading; constructing concrete curbs and gutters; brick storm water inlet; manholes; concrete culverts; vitrified pipe conduits and paving with an oil macadam.

MARYSVILLE, Yuba Co., Cal.—The City Council has instructed the City Engineer to prepare estimates of costs for grading H, I, Eleventh and Twelfth streets, in response to a petition received at the last meeting. Geo. W. Richards is City Clerk.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by J. H. Wells County Clerk, up to March 1st, 11 a. m., for the construction of two units of the county highway system as follows:

Sec. No. 1, Div. No. 19, of County Highway system, which division lies between Bryant Station on San Pablo Creek, and runs down San Pablo Valley to a point near the dam being built by the East Bay Water Company, a distance of 7.30 miles.

Separate bids will be received on the same date for the construction of Sec. No. 1, of Division No. 21, which section is part of the Martinez Bay Point road and begins at station 110+25 of survey of said road at Avon and runs easterly to the end of Main street in the town of Bay Point, a distance of 3.25 miles.

R. R. Arnold is County Highway Engineer.

PORTLAND, Ore.—S. C. Oxman, Baker, Ore., submitted the low bid to the State Highway Commission for gravel surfacing 4.43 miles of highway in Baker County.

FRESNO, Fresno Co., Cal.—On recommendation of County Highway Engineer, Chris P. Jensen, the Supervisors have awarded a contract to the Federal Construction Co., Call Bldg., San Francisco., for the construction of Del Rey-Reedley unit of the county highway system, a distance of ten miles. Pavement will be a black base with Warrenite top. Contract price is in the neighborhood of $21,056 per mile.

OAKLAND, Cal.—The Board of Education has petitioned the Oakland City Council to take steps for the immediate improvement of streets in the vicinity of the Laurel School and for the erection of a safety station fronting the Technical school.

L. W. Cummings is City Clerk.

SACRAMENTO, Cal.—No bids were received Feb. 4, by the State Highway Commission for the purchase of cement in 500,000, 750,000 and 1,000,000 bbl. lots, to be delivered over a term of years, the price to fluctuate with cost of labor and materials entering into the manufacture of cement. The commission will not readvertise for bids for cement now but will continue to purchase it as heretofore until conditions are more favorable. The commission now has under consideration a plan for disposing of a block of the $40,000,000 bonds to enable it to carry out the construction planned for the present year which promises to be successful.

FRESNO, Fresno Co., Cal.—The City Council, Chas Dillon, City Clerk, has passed a resolution of intention providing for the improvement of O street from the southeast line of Fresno street to the north line of Butler avenue.

Butler avenue from the north line of O street to the east line of Parallel avenue.

East avenue from the south line of Butler avenue to the north line of California avenue.

Pearl street from the south line of Hamilton avenue to the north line of California avenue.

And Hamilton avenue from the east line of Van Ness avenue to the east line of Parallel avenue by grading; constructing concrete curbs and gutters; corrugated iron culverts and paved with a cement concrete base with a Warrenite Bitulithic wearing surface, 1½ inches thick.

WOODLAND, Yolo Co., Cal.—The City Trustees, J. H. Laugenour, City Clerk, have passed a resolution of intention providing for the improvement of First street from the north line of Marshall avenue to the south line of Hays street; Marshall avenue from the east line of College street to the west line of First street and Hays street from the west line of College to the west line of First street including intersections, by grading; constructing concrete curbs and gutters; a bituminous pavement base 3 inches thick, and a Warrenite wearing surface 2 inches thick; constructing basalt head blocks; corrugated iron culverts, etc.

Asa G. Proctor is City Engineer.

Seattle, Wash.—Bids will be received by the Board of Public Works up to February 20th for grading and paving Empire Way from Rainier avenue to Renton avenue at Holden street and Renton avenue from Empire Way to Holden street to Henderson street, at an estimated cost of $264,356.

Separate bids will be received on the same date for grading and paving Fullerton avenue (Assessment District No. 3235) the estimated cost of which is $42,610.80.

WOODLAND, Yolo Co., Cal.—The City Trustees, Asa G. Proctor, City Engineer, have directed the purchase of two sites for water plants, one in South Main and the other in North Main street, and have instructed Engineer Proctor to proceed with the necessary plans for construction.

J. H. Laugenour is City Clerk.

GRIDLEY, Butte Co., Cal.—Petitions have been received by the City Trustees asking the paving of a portion of Magnolia street extending from the S. P. tracks east of its merging with Willow street at Jackson street. Petitions are also being prepared for presentation to the Trustees of the improvement of Wilson street.

James Ownby is City Clerk.

MODESTO, Stanislaus Co., Cal.—Bids have been ordered received by the County Supervisors for top surfacing about ten miles of roads in various parts of the county, among which are the stretch between Modesto and Empire and between Ceres and Hughson.

Plans and further information may be had from Hugh Benson, County Clerk.

REDWOOD CITY, San Mateo Co., Cal.—County Engineer George A. Kneass

has been instructed to prepare plans for a road in the Coleman Tract which is to be taken over by the county.

HOLTVILLE, Imperial Co., Cal.—Geo. H. Oswald, 366 E 58th St., Los Angeles, submitted the lowest bids at $59,871.38 for paving city streets under resolution No. 106, and at $57,152.27 for paving under resolution No. 107. Geo. R. Daley of San Diego, submitted the lowest bid at $13,516.80 for paving under resolution No. 108. Henry Burk, city engineer. All paving will have 2½-in. bituminous base with 1½-in. Warrenite surface except that on Holt Ave. and a portion of Walnut Ave., which will have 3½-in. base. Following are the bids:

Under resolution No. 106: Geo. H. Oswald, Los Angeles—(a) 4-in. paving, 27c sq. ft.; (b) 5-in. paving, 33c sq. ft.; total, $59,871.38. Geo. R. Daley, San Diego—(a) 28c, (b) 30c; total, $60,659.94. Federal Construction Co., Fresno—(a) 27.3c, (b) 35c; total, $73,388.18.

Resolution No. 107: Geo. H. Oswald—(a) 4-in. paving, 27c sq. ft.; (b) 5-in. paving, 33c sq. ft.; (c) curb, 60c lin. ft.; (d) corrugated iron culverts, $2.50 lin. ft.; (e) box culverts, $5; (f) two manholes complete, $75; total, $57,152.27. Geo. R. Daley—(a) 28c, (b) 30c, (c) 75c, (d) —, (e) $5, (f) $30; total, $58,585.76. Federal Constr. Co.—(a) 27.6c, (b) 35c, (c) 80c, (d) $4, (e) $3, (f) $70.

Resolution No. 108: Geo. H. Oswald bid $13,939.20 and Geo. R. Daley, $13,516.80.

REDDING, Shasta Co., Cal.—Owing to protests the City Council has postponed action on the proposed paving of Pine, Court, and streets surrounding the County Court House. Leslie Engram is City Clerk.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, has passed a resolution of intention providing for the improvement of portions of Alvarado street, Nevada and Arizona avenues, by grading and paving with 4 inches of cement concrete with concrete curbs; steps; sidewalks; wingwalls and retaining walls; galvanized steel curb bars and wooden guard-rails also the installation of four-inch lateral sewers with wye branches of standard, saltglazed, vitrified sewer pipes, lampholes, cast iron covers, etc.

STOCKTON, San Joaquin Co., Cal.—The City Council, A. L. Banks, City Clerk, as approved plans and passed a resolution of intention providing for the construction of a vitrified clay sewer pipe in Blocks 2 to 10, inclusive, and across the following streets:

Elizabeth, Ramona, Allston Way, Carmel, Lomita avenues, Walnut street and a portion of Bedford Road and the grading and paving with 4 inch cement gravel base and 2 inch crushed rock wearing surface, concrete curbs, gutters and sidewalks of portions of the following streets:

Walnut, Lomita, Carmel, Allston Way, Ramona, Elizabeth, and Lexington avenues and a portion of the Lower Sacramento Road by grading, constructing concrete curbs, gutters and sidewalks.

## FIRE EQUIPMENT

CHICO, Butte Co., Cal.—The City Trustees have awarded a contract to the American Rubber Co., Emeryville, for furnishing 1200 feet of D. J. Crackerjack fire hose at $1.20 per foot.

HILLSBOROUGH, San Mateo Co., Cal.—The City Trustees have rejected bids submitted for furnishing and delivering a motor fire engine and new bids will be called.

# Official Proposals.

### NOTICE TO CONTRACTORS.

THE BOARD OF TRUSTEES of the Fowler Union High School District, Fowler, Cal., will receive sealed proposals up until **2 o'clock P. M., March 5th, 1920,** at the High School building, Fowler, Cal., at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new high school buildings in accordance with plans and specifications prepared therefor by Allison & Allison, Architects, 1405 Hibernian Building, Los Angeles, Cal. Bids will be received separately for the different segregated contracts as follows:

CONTRACT No. 1—For the Excavating, Concrete, Masonry, Terra Cotta, Iron and Carpenter Work, etc. Bids Nos. 1 with alternate bids A, B, C and D. (See specifications.)

CONTRACT No. 2—For the Sheet Metal Work, etc. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 3—For the Tile Roofing, etc. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 4—For the Composition Roofing. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 5—For the Plastering. Bid No. 1 with alternate Bid C. (See specifications.)

CONTRACT No. 6—For the Blackboards. Bid No. 1. (See specifications.)

CONTRACT No. 7—For the Painting, etc. Bid No. 1 with alternate Bids C and E. (See specifications.)

CONTRACT No. 8—For the Electric Work, etc. Bid No. 1 with alternate Bid C. (See specifications).

CONTRACT No. 9—For the Plumbing, Gas Fiting, Sewering, etc. Bid No. 1 with alternate bid C. See specifications.)

CONTRACT No. 10—For the Program Clocks. Bid No. 1 with alternate bids C and F. (See specifications.)

CONTRACT No. 11 For the Hardware. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 12—For the Heating and Ventilating. Bid No. 1 with alternate bid C. (See specifications.)

Cashier's or certified check or bidder's bond for an amount not less than five per cent (5%) of amount of bid shall accompany each proposal drawn payable to the order of EDWIN GOWER, Clerk of the Board of Trustees, Fowler Union High School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said High School Trustees in accordance therewith, and shall furnish the surety bonds as required by the specifications, said check or bond to be forfeited to the said High School District should the bidder fail to execute contract and furnish bond as above mentioned.

All bids to be made out on forms furnished by the Architects.

Plans and specifications for all the above work may be seen at the office of MORROW & GARREN, Architects, Chronicle Building., San Francisco, Cal.

A deposit of $25.00 will be required from all contractors receiving plans, said deposit to be refunded when plans, and specifications are returned in good condition.

The said High School Board reserves the right to reject any or all bids, and to waive any informality in any bid received.

By order of the Board of Trustees, Fowler Union High School District, Fowler, California.

By EDWIN GOWER, Clerk, Board of Trustees, Fowler Union High School District, Fowler, Cal.

Dated, February 12, 1920.

### BIDS WANTED FOR NEVADA HIGHWAY.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned to **12 o'clock Noon, March 8, 1920,** for the construction of a State Highway on the west side of Walker Lake in Mineral County from Cotton Wood Creek to a point 9.47 miles north thereof, work consisting of grading 15 feet wide and the construction of drainage openings.

Plans may be examined and forms of proposals, contract and specifications secured at office of the undersigned; may also be examined at the county clerk's office in Hawthorne. Cash deposit of $15.00 with undersigned required for copy of plans—$25.00 required for copy of plans with cross sections, which will be refunded on their return in good condition. Bids must be on Proposal Form of Highway Department and accompanied by a certified check in the amount of 5% of the bid. Right is reserved to reject any and all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### RELATIVE DURABILITY OF ROCKY MOUNTAIN AND PACIFIC COAST DOUGLAS FIR TIES.

Before the preservative treatment of ties was practiced as extensively as at present, the railroad companies using Douglas fir ties held the opinion that the Douglas fir grown in the Rocky Mountains was more durable than that grown on the Pacific Coast. In some of the copper and lead mines in the Rocky Mountains the mountain fir was also considered more durable.

No authentic records are available where coast and mountain fir ties are set in the same locality. Such service records as there are, however, fail to show that the mountain fir has superior lasting qualities. In some instances the mountain fir and in others the coast fir has proved more durable.

Botanically there is no difference in Douglas fir according to the locality in which it grows. Tests made by the Forest Products Laboratory, Madison Wis., indicate that Pacific coast fir is on the average somewhat denser and therefore stronger and harder than mountain fir. However, the parts of coast timber usually cut into ties are boxed hearts or wood cut near the piths or from the tops of trees. These are the poorer parts, and coast fir ties therefore generally contain no better wood than mountain fir ties.

The conclusion of the laboratory is that there is practically no difference in the durability of Douglas fir ties cut in the mountains and those cut along the Pacific Coast. It has been observed, though, that the later receive preservative treatment a little more readily than the former.

### WHO HAS CANNERY SITE?

The California Development Board has an inquirer who wants a site for a fruit and vegetable cannery around the bay. Further information may be had from the offices of the Board in the Ferry Building.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| | | | |
|---|---|---|---|
| 342 | Empire | Owner | 500 |
| 343 | Johnson | Owner | 10000 |
| 344 | Haller | Owner | 500 |
| 345 | Parker | Brutcher | 3500 |
| 346 | Harder | Harder | 2200 |
| 347 | Schroth | Larsen | 750 |
| 348 | Helen | Andersen | 19500 |
| 349 | Franklin | Owner | 5000 |
| 350 | Quarg | Gau | 500 |
| 351 | Harrington | Owner | 18000 |
| 352 | Churchill | Churchill | 500 |
| 353 | Green | Goericke | 47900 |
| 354 | Same | Snook | 5120 |
| 355 | Same | Thayer | 1700 |
| 356 | Lange | Lange | 160000 |
| 357 | Bannwarth | Robert | 1000 |
| 358 | Malloch | Malloch | 2000 |
| 359 | Parenti | Binet | 800 |
| 360 | Milinvitch | Swenson | 1400 |
| 361 | Milligan | Mullen | 500 |
| 362 | Jacobsen | Mullen | 500 |
| 363 | Licht | Quinn | 1000 |
| 364 | Ashworth | Gilmore | 800 |
| 365 | Leigh | Leigh | 750 |
| 366 | Hetty | Anderson | 11386 |
| 367 | Schmidt | Anderson | 35390 |
| 368 | De Golia | Cahill | 40000 |
| 369 | Buckley | Martin | 500 |
| 370 | Ruhland | Owner | 1950 |
| 371 | Kessler | Comisky | 500 |
| 372 | McMillan | Owner | 950 |
| 373 | Spalding | Kelly | 600 |
| 374 | Lewin | MacDonald | 60000 |
| 375 | Staub | Pacific | 500 |
| 376 | Carpenter | Western | 500 |
| 377 | Mulvey | MacKillop | 6000 |
| 378 | Henze | Moller | 2424 |
| 379 | Cahen | Barrett | 900 |
| 380 | Radias | Healing | 1500 |
| 381 | Johnson | Barrett | 12000 |
| 382 | Shensons | Scott | 625 |
| 383 | Central Bapt. Ch | Owner | 500 |
| 384 | Gunst | Mullen | 500 |
| 385 | Koff | Olsen | 960 |
| 386 | Thorup | Owner | 5000 |
| 387 | Nelson | Owner | 32000 |
| 388 | Koff | Carlson | 2120 |
| 389 | Fourth St. Rlty | Hamilton | 11931 |
| 390 | Same | Mulcahy | 4106 |
| 391 | Michelin | Ward | 25900 |
| 392 | Kelly | Owner | 2000 |
| 393 | Doe | Mulcahy | 542 |
| 394 | Harvey | Ahl | 1960 |
| 395 | Marshall | Prout | 14000 |
| 396 | Binet | Owner | 4500 |
| 397 | Friedle | Loaff | 10000 |
| 398 | Bencich | McCormick | 1800 |
| 399 | R. C. Archb. | Goodwin | 39000 |
| 400 | Humboldt Bk | Brockhage | 18000 |
| 401 | Hutton | Amer. Conc | 20000 |
| 402 | Janssen | Owner | 7900 |
| 403 | Schmidt | Vukicevich | 4638 |

#### PERMITS.

ALTERATIONS
(342) NO. 750 BRYANT. Line present dry kiln with brick and reconstruct doors.
Owner—Empire Mill, Premises.
Architect—None.
COST, $500

FRAME FLATS
(343) SE CALIFORNIA AND SIXteenth Ave. Two-story and basement frame (4) flats.
Owner—Chas. A. Johnson, 47-A Landers St., San Francisco.
Architect—None.
Day's work. COST, $10,000

UNDERPIN COTTAGE
(344) NO. 55 CARMEL. Underpin cottage and make general repairs.
Owner—Geo. Haller, Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(345) NW ELLIS AND STOCKTON. Erect lath and plaster partitions.
Owner—Painless Parker, 216 Market, San Francisco.
Architect—None.
Contractor—Brutcher & Serna, 180 Jessie, San Francisco.
COST, $3500

FRAME DWELLING
(346) E FORTY-FIRST AVE 250 N Fulton. One-story and basement frame dwelling.
Owner—John Harder, 2763 Bush St., San Francisco.
Architect—None.
Day's work. COST, $2200

ALTERATIONS
(347) NO. 863 FOLSOM. Remove present and rebuild brick wall.
Owner—Schroth Estate.
Architect—None.
Contractor—H. Larsen, 234 Haight St., San Francisco.
COST, $750

AUTO SALES ROOMS
(348) W LARKIN 82-6 S Turk. One-story brick auto sale rooms.
Owner—Helen Estate, Care Architect.
Architect—Edgar A. Mathews, Call Bldg, San Francisco.
Contractor—N Anderson, 180 Jessie St., San Francisco.
COST, $19,500

FRAME RESIDENCE
(349) W PORTOLA DRIVE 200 S 14th Ave. Two-story and basement frame residence.
Owner—Edith Fraser Franklin, 951 O'Farrell St., Apt. No. 14, San Francisco.
Architect—None.
COST, $5000

ALTERATIONS
(350) NE POWELL AND O'FARREL. Alterations for store.
Owner—R. F. Quarg, 198 O'Farrell St., San Francisco.
Architect—None.
Contractor—F. Gau, 507 Florida St., San Francisco.
COST. $500

RESIDENCES
(351) W TWENTY-SIXTH AVE. 200-7, 225-7 and 250-7 N Cabrillo. Three 2-story and basement frame residences.
Owner—A. Harrington, 10 Judah St., San Francisco.
Architect—None.
COST, $6,000 each

SUN PORCHES
(352) NO. 132 TWENTY-FIFTH AVE. Erect two sun porches.
Owner—Mrs. Thomas Churchill, Prem.
Architect—None.
Contractor—Thomas Churchill, 132 25th Ave., San Francisco.
COST. $500

#### RECORDED.

RESIDENCES
(353) LOTS 70 AND 71 Subdivision No. 1, Sea Cliff. All work except plumbing and electric work for two two-story and basement frame residences.
Owner—Aaron S. and Louis D. Green, Shreve Bldg., San Francisco.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—W. A. Goericke (as Taylor & Goericke), Sharon Bldg., San Francisco.
Filed Feb. 9, '20. Dated Jan. 27, '20.
1st floor joists on both houses..$7185
Roof boards on both houses.... 7185
Brown coated both houses..... 7185
Standing trim on..... 7185
Completed and accepted..... 7185
Usual 35 days.....11975
TOTAL COST, $47,900
Bond, $23,950. Sureties, A. S. Mangrum and John C. Newlands. Limit, 180 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Jan. 29, 1920, No. 234.

(354) PLUMBING AND GAS FITTING on above.
Contractor—Frederick W. Snook Co., 596 Clay St., San Francisco.
Filed Feb. 9, '20. Dated Jan. 29, '20.
Roughing in completed.....$1920
Completed and accepted..... 1920
Usual 35 days..... 1280
TOTAL COST, $5120
Bond, $2580. Sureties, W. J. Coster and K. G. Haderle. Limit, 180 days. Forfeit, $20. Plans and specifications filed.

(355) ELECTRIC WIRING ON ABOVE
Contractor—H. P. Thayer, 26 First St., San Francisco.
Filed Feb. 9, '20. Dated Jan. 29, '20.
Roughing in completed(both)..$637.50
Completed & accepted( both). 637.50
Usual 35 days (both)..... 425.00
TOTAL COST, $1700.00
Bond, $850. Surety, The Fidelity & Casualty Co. of New York. Limit, 180 days. Forfeit, $20. Plans and specifications filed.

#### PERMITS.

FACTORY
(356) SW BRYANT AND THIRD. Five-story concrete factory.
Owner—Lange & Bergstrom, Sharon Bldg., San Francisco.
Architect—Owners.
COST, $160,000

ALTERATIONS
(357) NE EDDY AND FILLMORE. Alter saloon into soft drink store.
Owner—Philip Bannwarth, 42 Parsons St., San Francisco.
Architect—August Nordin, Mills Bldg., San Francisco.
Contractor—Mr. Robert, 1457 Hayes St., San Francisco.
COST, $1000

ALTERATIONS
(358) NW FREDERICK & DOWNEY. New entrances; cement work, etc., for flats.
Owner—J. S. Malloch, 180 Jessie St., San Francisco.
Architect—None.
Day's work. COST, $2000

ALTERATIONS
(359) NO. 596 HAYES. Ratproof basement and other alterations for store.
Owner—Caesar Parenti, 592 Hayes St., San Francisco.
Architect—None.
Contractor—John J. Binet Co., 68 Ramona St., San Francisco.
COST, $800

ALTERATIONS
(360) NO. 901 LARKIN. Alterations for flower store.
Owner—Andy Milinvitch, Premises.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma, San Francisco.
COST, $1400

ALTERATIONS
(361) NO. 40 MARKET. Install new store front.
Owner—Chad. S. Milligan, Premises.
Architect—None.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco.
COST, $500

ALTERATINONS
(362) NO. 505 MARKET. Alterations on store front.
Owner—Abe Jacobsen, Premises.
Architect—None.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco.
COST, $500

ALTERATIONS
(363) NO. 248 SAN BRUNO AVE. Lower dwelling and excavate under same; foundation, etc.
Owner—Henry Licht, 2770 San Bruno Ave., San Francisco.
Architect—None.
Contractor—Jas. R. Quinn, 2561 San Bruno Ave., San Francisco.
COST, $1000

# Permutit

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"We all enjoy the use of this soft water.
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**San Francisco Phone—Doug. 1539.**

Pacific Coast Offices:

**484 Wright-Callender Bldg. Los Angeles**

**220 Sheldon Bldg., San Francisco, Calif.**


ALTERATIONS
(364) NO. 66 SIXTH. Remove partitions and alter for tailor shop.
Owner—Ashworth Estate.
Architect—None.
Contractor—T. D. Gilmore & Co., 126 McAllister, San Francisco.
COST, $800

ALTERATIONS
(365) NO. 321 TENTH AVE. General alterations for dwelling.
Owner—D. Leigh, 840 44th Ave., San Francisco.
Architect—None.
Day's work. COST, $750

**RECORDED**

BRICK WORK, ETC.
(366) S TURK 87-6 W Larkin W 25 S 137-6 E 112-6 N 55 W 87-6 N 82-6. Brick work and excavating for one-story brick building.
Owner—J. F. Hetty, 376 Ellis St., San Francisco.
Architect—Edgar A. Mathews, Call Bldg., San Francisco.
Contractor—N. Anderson, 188 Jessie St., San Francisco.
Filed Feb. 10, '20. Dated Feb. 5, '20.
Brick work to main floor.....$3600
Completed and accepted..... 4930
Usual 35 days..... 2856
TOTAL COST, $11,386
Bond, $5693. Sureties, J. A. Brutcher and Chas. Stockholm. Limit, 36 days. Forfeit, none. Plans and specifications filed.

MASONRY WORK
(367) SECOND AND BRYANT STS. Masonry work for addition to plant.
Owner—Schmidt Lithograph Co., Prem.
Constr. Mgr.—Frederick Whitton, 369 Pine St., San Francisco.
Contractor—Anderson & Ringrose, 320 Market St., San Francisco.
Filed Feb. 10, '20. Dated Jan. 27, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $35,390
Bond, $17,695. Sureties, Mary E. Ringrose and A. W. Lawson. Limit, June 1, 1920. Forfeit, $15. Plans and specifications filed.

**PERMITS**

BAKERY
(368) NW BUCHANAN AND EDDY. One-story reinforced concrete and frame bakery.
Owner—E. B. De Golia, 460 Montgomery St., San Francisco.
Architect—John H. Powers, 460 Montgomery St., San Francisco.
Contractor—Cahill-Vensano Co., 110 Sutter St., San Francisco.
COST, $40,000

ALTERATIONS
(369) NW BUCHANAN AND McAllister. Alter front and ratproof grocery store.
Owner—Miss Anna Buckley, 1985 Grove St., San Francisco.
Architect—None.
Contractor—Wm. Martin, 110 Jessie St., San Francisco.
COST, $500

ADDITION
(370) S CLEMENT 72 E Thirty-third Ave. Addition to Lincoln Park Golf Club for locker room (frame construction).
Owner—Carl Ruhland, Care Clark Ranch, San Mateo, Cal.
Achitect—Hiram K. Lovell, Care Leland S. Rosener, Insurance Exchange Bldg., San Francisco.
Day's work. COST, $1950

ALTERATIONS
(371) N CALIFORNIA 150 E Front. Alter front, etc., for restaurant.
Owner—Mr. Kessler, Premises.
Architect—C. H. Jensen, 1300 First National Bank Bldg., San Francisco.
Contractor—D. .A. Comisky.
COST, $500

ALTERATIONS
(372) NW FOLSOM AND THIRD. Alter store front and sub-divide for stores.
Owner—Robert McMillan, 598 15th Ave., San Francisco.
Architect—None.
Day's work. COST, $950

ALTERATIONS
(373) NO. 158 GEARY. Alter partitions and remodel basement of store
Owner—A. G. Spalding & Bro., Premises
Architect—John H. Powers, 460 Montgomery St., San Francisco.
Contractor—R. E. Kelly, 460 Montgomery St., San Francisco.
COST, $600

AUTO SALES ROOMS
(374) SE JACKSON AND VAN NESS Ave. Three-story reinforced concrete auto sales rooms.
Owner—Leon Lewin, 907 Rialto Bldg., San Francisco.
Engineers—MacDonald & Kahn.
Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.
COST, $60,000

ALTERATIONS
(375) NW MISSION AND SEVENTH. Alter for cigar stand.
Owner—Straub & Erickson, Premises.
Architect—None.
Contractor—Pacific Woodworking Co., 239 7th, San Francisco.
COST, $500

ALTERATIONS
(376) NO. 914 MARKET. Alter store front.
Owner—Carpenter & McDonald, Prem.
Architec—None.
Contractor—Western Builders Supply Co., 1034 Golden Gate Ave., S. F.
COST, $500

DWELLING
(377) E FIFTH AVE 275 S Cabrillo. One-story and basement frame dwlg.
Owner—James Mulvey, 2022 Fell St., San Francisco.
Architect—None.
Contractor—Alex. W. MacKillop, 685 40th Ave., San Francisco.
COST, $6000

REPAIRS
(378) NE HOWARD & TWENTIETH. Repair fire damage to residence.
Owner—B. Henze.
Architect—None.
Contractor—R. W. Moller, 614 Call Bldg., San Francisco.
COST, $2424

ALTERATIONS
(379) NO. 19 MANILA. Alter for restaurant.
Owner—J. M. Cahen, 19 Montgomery St., San Francisco.
Architect—None.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, $900

**PERMITS.**

CEMENT WORK
(380) NO. 3980 CLAY. Cement work, etc., for basement garage.
Owner—W. A. Radias, 3980 Clay, San Francisco.
Architect—None.
Contractor—Geo. Healing, 110 Jessie San Francisco.
COST, $1500

ADDITION
(381) S CALIFORNIA 49 E Powell. Erect one additional story to present garage building.
Owner—I. S. Johnson, 1600 Post, San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST. $12,000

ALTERATION
(382) NO. 190 EIGHTH AVE. Erect partition in dwelling so as to make two-room apartment.
Owner—Shensons, Inc., 1055 McAllister St., San Francisco
Architect—None.
Contractor—F. H. Scott, 1511 Ellis St. San Francisco.
COST, $625

ALTERATION
(383) W EUREKA bet. 18th and 19th Sts. Construct platform, vestibule, rails, etc., for church.
Owner—Central Baptist Church. Premises.
Architect—None.
COST, $500

REMODEL
(384) NO. 88 POST ST. Remodel entrance, glazing, etc., for barber shop.
Owner—M. A. Gunst Branch. California and Front Sts., San Francisco
Architect—None.
Contractor—Mullen Manufacturing Co., 64-68 Rausch St., San Francisco.
COST, $500

ALTERATION
(385) NO. 17 SURREY ST. Alter and repair four-room cottage.
Owner—Jacob Koff, 17 Surrey St., San Francisco.
Architect—None.
Contractor—Olaf Olsen, 41 De Wolf San Francisco.
COST, $960

DWELLING
(386) E TWENTY-FOURTH AVE. 125 N Balboa. One-story and basement frame dwelling.
Owner—J. H. Thorup, 690 24th Ave., San Francisco.
Architect—None.
Day's work. COST, $5,000

DWELLINGS
(387) W WESTWOOD DRIVE 78, 121, 164 and 207 N Wildwood Way. Four one-story and basement frame dwellings.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Day's work. COST, $8,000 each

**RECORDED**

PLASTERING, ETC.
(388) NO. 17 SURREY. Plastering, plumbing, painting, carpenter, wiring and shingle roof for remodeling building.
Owner—Jacob Koff, Premises.
Architect—None.
Contractor—Gus Carlson & Olaf Olsen.

Filed Feb. 13, '20. Dated Feb. 12, '20.
Roof and outside finished.....$700
Plastering and plumbing done... 700
Completed ..... 720
TOTAL COST, $2120
Bond, limit, forfeit, plans and specifications, none.

CLASS "C" BLDG.
(389) S HARRISON 200 E Fourth E 125 S 85 W 25 S 75 W 100 N 160. All work except brick, concrete, steel lintels, cutting of door opening in present west wall, etc., for one-story Class "C" brick building.
Owner—Fourth Street Garage Co.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Peter Hamilton, Russ Bldg San Francisco.
Filed Feb. 13, '20. Dated Feb. 2, '20.
Foundations in place and girders set .....$2348.25
Roof rafters in position..... 2200.00
Roofed and enclosed..... 2200.00
Completed and accepted..... 2200.00
Usual 35 days..... 2932.75
TOTAL COST, $11,931.00
Bond, $5965.50. Sureties, Geo. E. Dixon and Jas. Henning. Limit, 60 days. Fofeit, none. Plans and specifications filed.
NOTE:—Permit reported Feb. 3, 1920, No. 280.

(390) BRICK, CONCRETE, STEEL lintels, grouting of firewalls on above.
Contractor—Thos. Mulcahy, 180 Jessie St., San Francisco.
Filed Feb. 13, '20. Dated Feb. 2, '20.
Brick work 50% completed....$1500
Completed and accepted..... 1575
Usual 35 days..... 1025
TOTAL COST, $4100
Bond, $2050. Sueties, Bridget Mulcahy and Walter N. Reed. Limit, 30 days. Forfeit, none. Plans and specifications filed.

WAREHOUSE
(391) SW TWELFTH 56.69 NW Howard NW 120xSW 100 M B 15. All work for one-story brick and concrete warehouse.
Owner—Michelin Tire Co., 1640 Pine St., San Francisco.
Superintendent—J. J. Bell.
Contractor—P. R. Ward, 180 Jessie St., San Francisco.
Filed Feb. 13, '20. Dated Feb. 13, '20.
All walls erected..... ¼
Roof completed and accepted.... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $25,900
Bond, $25,900. Surety, Fidelity & Deposit Co. of Maryland. Limit, none. Forfeit, $25. Plans and specifications filed.
NOTE—Permit also applied for today.

**PERMITS.**

(392) — DIAMOND 110 N 22nd. One-story and basement frame dwelling.
Owner—Patrick Kelly, 658 Elizabeth San Francisco.
Architect—None.
COST, $2,000

ALTERATION
(393) NO. 55-57 MAIN ST. Erect four-inch tile partition and lay 3-inch cement floor.
Owner—John Doe.
Architect—None.
Contractor—Thos. F. Mulcahy, 180 Jessie St., San Francisco.
COST, $542

ADDITION
(394) NO. 181 O'FARRELL ST. Construct one-story 14-foot extension to present store building.
Owner—Louise Harvey, 2640 Steiner St., San Francisco.
Architect—Alfred Kuhn, 835 Market St., San Francisco.
Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.
COST, $1960

DWELLING
(395) FOREST HILL LOT 26, BLK. 2818. Two story and basement frame dwelling.
Owner—Regina Marshall, San Francisco.
Architect—W. L. Milwain, Albany Bldg., Oakland.
Contractor—J. Prout, 2020 Turk St., San Francisco.
COST, $14,000

FLATS
(396) W GUERRERO 165 S 14th. Two-story and basement frame (2) flats.
Owner—John J. Binet Co., 68 Ramona, San Francisco.
Architect—None.
Day's work. COST, $4,500

CONCESSION
(397) GREAT HIGHWAY bet. Cabrillo and Fulton. Construct amusement concession.
Owner—J. Friedle, 814 Great Highway, San Francisco.
Architect & Contractor—Arthur Loaff, Long Beach, Cal.
COST, $10,000

REPAIRS AND ALTERATIONS
(398) NO. 34 GLADYS ST. General repairs and alterations for dwelling (fire damage.)
Owner—Antone Bencich, 34 Gladys St., San Francisco.
Architect—None.
Contractor—Thos. McCormick, 25 Gladys St., San Francisco.
COST, $1800

LOFTS
(399) N MINNA 97-6 E Third. Three-story and basement bick lofts.
Owner—The Roman Catholic Archbishop of San Fancisco, 1100 Franklin, San Francisco.
Architect—Smith O'Brien, 742 Market, San Francisco.
Contractor—T. B. Goodwin, 110 Jessie, San Francisco.
COST, $39,000

ALTERATIONS
(400) S MARKET 100 E 4th. Alterations for banking rooms, install elevator, etc.
Owner—Humboldt Savings Bank, 783 Market, San Francisco.
Architect—Smith O'Brien, 742 Market, San Francisco.
Contractor—Brockhage, Foley & Green, 1326 Natoma, San Francisco.
COST, $18,000

GARAGE
(401) S SACRAMENTO 165 E Spruce. One-story concrete (public) garage.
Owne—James Hutton, 3657 Sacramento, San Francisco.
Architect—Henry C. Smith, 785 Market, San Francisco.
Contractor—American Concrete Co., 785 Market, San Francisco.
COST, $20,000

DWELLINGS
(402) E SEVENTEENTH AVE. 200 and 250 S Cabrillo. Two one-story and basement frame dwelings.
Owner—E. A. Janssen, 802 Hearst Bldg., San Francisco.
Architect—None.
COST, $3,950 each

**RECORDED.**

SHOP
(403) S WALLER 81-3 E Steiner S 65x E 25. All work for a one-story brick building (auto repair shop).
Owner—August Schmidt, 186 Brannan, San Francisco.
Architect—H. C. Baumann, 251 Kearny, San Francisco.
Contractor—Vukicevich & Bagge, 180 Jessie St., San Francisco.
Filed Feb. 14, '20. Dated Feb. 9, '20.
Brick walls up .....$2318
Completed and accepted ..... 1160
Usual 35 days. 1160
TOTAL COST, $4638
Bond, $2319. Sureties, Alonzo G. Reed and E. O. Benner. Forfeit, $5. Limit, 30 days. Plans and specifications filed.
NOTE: Permit reported Feb. 6, 1920, No. 316.

**LEASES.**

**San Francisco County.**

Feb. 9, 1920—NW ELLIS & STOCKTON. Dunne Investment Co to James P Dunne. 19 years 6 months. $164,400.
Feb. 9, 1920—PTN. NW ELLIS AND Stockton. James P Dunne to J E Krumb and James Mierson. Assigned Dec. 30, 1919, by Maude J Dunne to H A Hornlein. 19 years 2 months. $53,999.80.
Feb. 9, 1920—NO. 41 PLATO NE line and line drawn parallel with and 100 S from N line Lot 3 S 74 deg. 09 min. E 122.38 S 24 deg. 53 min. E 32.99 W 116.69 NW 36.96 Ptn Lots 6 and 7, Ashlyon & Hoag's Sbdvn No. 2, Ashbury Terrace. D Larger and wife to Marie Trasak. 6 months. $50 per month.
Feb. 10, 1920—LOT 20, BLK. 2, FAIR'S Sub Holly Park Tract. California Home Building Loan Co. to Ray M. Geens; 100 mo., $12.50 per month.
Feb. 10, 1920—NE COR. SUTTER AND Pierce, 2190 Sutter St. Annie C. Biggs to May Hayden Eliason; 2 years; $1920.
Feb. 10, 1920—NE STEVENSON AND 6th. Lesser Bros. to Philip Schneider; 3 years 4 months; $6,000.
Feb. 11, 1290—NO. 544 HAYES ST. H. D. Haskins to Mrs. Mary Berger; 3 years, $60 per month.
Feb. 14, 1920—NO. 192 HAIGHT N line E Fillmore. J A Sandell to Theodore Johnson. 5 years, $125 per month.
Feb. 13, 1920—NE COR FOURTH AND Natoma. Morris and Max Levy to B. and wf Octavie Ballatore; 38 months. $8,058.
Feb. 13, 1920—NO. 195 TO 199 PARnassus, SE cor. Stanyan. John Von Husen to Charles and William Hink. 5 years, $125 per month and option to renew.
Feb. 13, 1920—E TWENTIETH AVE. bet. Lake and California Sts., No. 120 20th Ave. Michael J. and Susan Rogerson to I. Lindeman; 1 year, $660.
Feb. 13, 1920—N TWENTY-FOURTH 38 E Church E 19x16. John Lohman to Manuel P. Rosa; 6 years; $15 per month.
Feb. 13, 1920— W POLK 60 S O'Farrell S 30xW 97-6. Louis D. Stoff to E. A. Schkade and J. D. Conine; 5 years. $9,000.

**NOTICE OF NON-RESPONSIBILITY.**

**San Francisco County.**

Feb. 9, 1920.—E COR. THIRD AND Market No. 697 Market. Estate Phoebe A Hearst dec'd by Extrs. as to improvements on leased property
Feb. 11, 1920—N FOURTEENTH 80 E Mission N 25 W parallel with 14th 79-9¾ N 25 E parallel with 14th. 80 N 25 E parallel with 14th, 60-11 S 75-1½ W 65-7. Matilda H. Perley, Maude L. Ross, A. E. Perley to whom it may concern .....
Feb. 11, 1920—E FORTY-SEVENTH Ave. 125 S Rivera S 50. E 240, N 25, W 120. N 25, W 120. Oscar Heyman & Bro. to whom it may concern .....
Feb. 13, 1920—NW ELLIS & STOCKton. Dunne Invst Co as to improvements on leased property..

## COMPLETION NOTICES

### San Francisco County

Feb. 6, 1920—LOTS 20 to 37 BLK 26 St. Francis Wood Extn No. 2; Lots 1, 3, 11 to 22 Blk 25 Same; Lots 13 to 24 Blk 23 Same; Lots 9 to 20 Blk 22, Same; Lots 16 to 27, 29 to 31 Blk 19, Same; Lots 13 to 18 and "J" Blk 20, Same; Lot 11-A Blk 17, Same; Lots 10 to 14 Blk 21 Map resbdvn Blks 18, 21 ptn 19 and Lots P, Q, R, S, St. Francis Wood Extn. No. 2; Lots 11, 13 and 15 Blk 18, Same; Lots 1 and 15 Blk 19, Same; Lots R and S, Same; Lots 11 Blk 17, St. Francis Wood Extn. No. 1. St. Francis Wood Co. Garden Homes Co and Westgate Park Co to T D Harney.....Feb. 6, 1920
Feb. 7, 1920—W NINETEENTH AVE 225 S Santiago. N Dolan to T L Sharman.....Jan. 31, 1920
Feb. 7, 1920—LOT 2 BLK 3196, Westwood Park. Lucy A Bauer and Arthur Quinn to Louis A Bauer.....Feb. 6, 1920
Feb. 7, 1920—LOT 3 BLK 3166 Map of Westwood Park, San Francisco, Cal. (H Maps 65 to 71). Walter and H J Hansen to Hans J Hansen.....Feb. 2, 1920
Feb. 9, 1920—W PLYMOUTH AVE 18 816 S from NE Cor. Lot 8 N 87 deg. 18 min. 10 sec. W 98.634 N 35.823 S 88 deg. 49 min. 25 sec. 98.331 S 38.454; Ptn Lots 6 to 8 Blk 3177, Westwood Park. Hans Nelson to Nelson Bros...Feb. 6, 1920
Feb. 9, 1920—W PLYMOUTH AVE S 1.908 S from NE Cor. Lot 6 S 89 deg. 38 min. 14 sec. W 98.163 N 35.823 N 88 deg. 06 min. 21 sec. E 98.138 S 38.454; Ptn Lots 4 to 6 Blk 3177, Westwood Park. Hans Nelson to Nelson Bros..Feb. 6, 1920
Feb. 9, 1920—LOTS 8 AND 9 BLK

3164, Westwood Park. Hilding Anderson to Anderson & Johnson... .....Feb. 4, 1920

Feb. 9, 1920—N NATOMA 80 W 10th N 75 S 75 E 30. J W Wright to G P W Jensen.....Feb. 3, 1920

Feb. 9, 1920—SW SACRAMENTO & Van Ness Ave S 60-4xW 100. Warbur Realty Co to D Zelinsky & Sons .....Jan. 31, 1920

Feb. 9, 1920—BLK BDED BY 23rd, Georgia, Louisiana and Humboldt. Pacific Gas & Electric Co to C H Ramsden, C A Duffie and W F Focha (as The Steel Tank & Pipe Co.).....Jan. 30, 1920

Feb. 10, 1920—NE COR PINE AND Grant Ave. John McConaghy to Wegner & Blob.....Feb. 6, 1920

Feb. 10, 1920—E SEVENTEENTH Ave. 100 N Fulton 25x120. Arthur and Maria Stevens to whom it may Concern .....Feb. 10, 1920

Feb. 10, 1920—N ELLIS bet. Powell and Mason, No. 154 Ellis. Chas. S. Moses to whom it may concern... .....Feb. 6, 1920

Feb. 10, 1920—W HOWARD 256-7¾ SW 12th SW 147-9¼ NW 108-6 N 12 deg. 33 min. 24 sec. E 118-6½ SW 170-9½ SE 128-9. John Toningsen to Barrett & Hilp..... .....Feb. 9, 1920

Feb. 11, 1920—LOTS 14 AND 15, BLK. 23, Crocker Amazon Tract; lot 11, Blk. 17, Crocker Amazon Tract. Crocker Estate Co to Albin M Samuelson .....Feb. 1, 1920

Feb. 11, 1920—E NINETEENTH AVE. 225 S Balboa E 120xS25; E 19th Ave, 250 S Balboa E 120xS 25. Wm. A. Miller for Wm. A. Miller & Co. to whom it may concern. Feb. 10, 1920

Feb. 11, 1920—W THIRTY-FIRST Ave 125 N Geary N 25xW 120. Henry J. and Magdalena Kessel to Max Hantzsche.....Feb. 11, 1920

Feb. 11, 1920—E VALENCIA 135 S McCoppin S 50xE 167-6. Chas F Langley and Millie L Wright to Adam Arras.....Dec. 26, 1919

Feb. 11, 1920—E VALENCIA 135 S McCoppin S 50xE 167-6. Millie L Wright and Charles F Langley to L A Hinson.....Jan. 26, 1920

Feb. 11, 1920—E TWENTY-FOURTH Ave 150 N Balboa N 50xE 120. Jacob Weissbein to Theodore G Meyer and Rollin E Meyer..... .....Feb. 11, 1920

Feb. 13, 1920—LOT 52 Lyon & Hoag's Sbdvn Lincoln Manor. Alton F Lapham to whom it may concern .....Feb. 11, 1920

Feb. 13, 1920—N ANZA 40 E 26th Ave The Greater City Lumber Co to H J Olsen.....Feb. 13, 1920

Feb. 13, 1920—S PTN LOT 19 BLK 26 St. Francis Wood Extn No. 2. Garden Homes Co to John Bjorkman.....Feb. 2, 1920

Feb. 13, 1920—N GREEN 103-1½ W Divisadero W 34-4½xN 137-6. Al Hanify to Alexander Coleman... .....Feb. 11, 1920

Feb. 13, 1920—SE TWENTY-SIXTH and Folsom (Polytechnical College). Cogswell Polytechnical College to Brown-Langlais Elec. Co. .....Feb. 10, 1920

Feb. 13, 1920—SE TWENTY-SIXTH and Folsom. Cogswell College to E P Norman.....Jan. 29, 1920

## LIENS FILED.

### San Francisco County.

Feb. 9, 1920—SE CLAY & STOCKTON S 81-8xE 68-9 M P Seeley vs Mme Jane Doe Valdez and Salesch Scheyer .....$992.50

Feb. 11, 1920—S BROADWAY 130 W Laguna W 41-10½ S 137-6 E 34-4¼ N 9-9¾ E 7-6 N 127-8¾. Gunther & Porter vs Lillie H McCormick.. .....$740.20

Feb. 11, 1920—N HANCOCK 160 E Sanchez E 25xN 114. Frank Griffin vs. Maggie C. Juzix and Jas. Xypollas .....$165

Feb. 13, 1920—NE BUSH AND HYDE E 195 N 137-6 W 57-6 N 10 W 137-6 S 147-6. H B Wilkinson vs Thompson Bridge & Foundation Co and St. Francis Hospital Co....$146

## BUILDING CONTRACTS

### Alameda County

| | | | |
|---|---|---|---|
| 305 | Anderson | Owner | 6000 |
| 306 | Novelty Products | Cox | 700 |
| 305 | Philadelphia | Owner | 3000 |
| 306 | Pavert | Owner | 7990 |
| 307 | McMullen | Fedt | 9000 |
| 308 | Pacheo | Fernandes | 1400 |
| 309 | Wieland | Nelson | 5000 |
| 310 | Norton | Nelson | 14000 |
| 311 | Pavert | Owner | 7990 |
| 312 | Frostholm | Owner | 7000 |
| 313 | Engs | Burlingame | 450 |
| 314 | Woodburn | Burlingame | 3000 |
| 315 | Silva | Burwell | 3500 |
| 316 | Hillen | Owner | 400 |
| 317 | Stenbro | Owner | 3500 |
| 318 | Coffage | Thaxter | 5000 |
| 319 | Werner | Williams | 4000 |
| 320 | Wythe | Owner | 400 |
| 321 | Stone | Owner | 2000 |
| 322 | Olsen | Owner | 600 |
| 323 | Stormer | Farris | 9000 |
| 324 | Glanz | Owner | 5000 |
| 325 | Glanz | Owner | 5000 |
| 326 | Glanz | Owner | 10000 |
| 327 | Weirich | Glanz | 5000 |
| 328 | Harrison | Palmer | 60000 |
| 329 | Aahmes Temple | Dombrink | 850 |
| 330 | Erwin | Owner | 500 |
| 331 | Nethken | Owner | 6000 |
| 332 | Beck | Owner | 800 |
| 333 | Shirk | Scammon | 2500 |
| 334 | Reid | Wright | 500 |
| 335 | Allen | Owner | 450 |
| 336 | McDuffie | Pearson | 10000 |
| 337 | Haler | Owner | 500 |
| 338 | McCraken | Owner | 700 |
| 339 | Cosmopolitan | Kopf | 15000 |
| 340 | Carlton | Carlton | 2400 |
| 341 | Gardiner | Owner | 400 |
| 342 | Bradshaw | Owner | 1500 |
| 343 | Roose | McCullough | 10000 |
| 344 | Booth | Warner | 2300 |
| 345 | Smith | Warner | 8496 |
| 346 | Walker | Warner | 4300 |
| 347 | Oates | Oates | 3750 |
| 348 | Fageols | Owner | 600 |
| 349 | Marshall | Marshall | 500 |
| 350 | Corder | Shrader | 401 |
| 351 | White | Wieben | 7400 |

(305) E LAWTON AVE. 138 AND 164

DWELLING
N Hudson, Oakland. Two one-story five-room dwellings.
Owner—T. Anderson, 553 37th St., Oakland.
Architect—None.
Day's work. COST, $3,000 each

FACTORY
(306) SIXTY-FIRST AND LOWELL Sts., Berkeley. One-story factory.
Owner—Novelty Products, Berkeley.
Architect—None.
Contractor—E. C. Cox, Hotel Berkeley, Berkeley.
COST. $700

TANK
(305) FIFTH AND GRAYSON, Berkeley. Steel storage tank.
Owner—Philadelphia Quarts Co. of California, Premises.
Architect—None.
Day's work. COST. $3000

DWELLINGS
(306) COR. BOND ST. AND FIFTY-first Ave. NW and NE, Oakland. Two one-story, six-room dwellings.
Owner—R. J. Pavert, 541 12th St., Oakland.
Architect—None.
Day's work. COST, $3995 each

DWELLINGS
(307) S BROOKLYN 250 and 300 W Park Blvd., Oakland. Two one-story, six-room dwellings.
Owner—R. J. McMullen, State Savings Bank, Oakland.
Architect—None.
Contractor—Fedt Bros, 528 25th St., Oakland.
COST, $4500 each

ALTER AND ADD
(308) NO. 537 CHESTER ST., Oakland. Alter and add.
Owner—Frank Pacheo, Premises.
Architect—None.
Contractor—Manuel Fernandes, 16 Mastick Terrace, Alameda.
COST, $1400

DWELLING
(309) E CORONADO AVE. 40 N 51st St., Oakland. One-story, six-room dwelling.
Owner—Augusta C. Wieland.
Architect—None.
Contractor—O. E. Nelson, 651 Raymond St., Oakland.
COST, $5000

FACTORY
(310) NW E-FOURTEENTH ST. AND 31st Ave., Oakland. One-story concrete factory.
Owner—B. W. Norton Mfg. Co., 724 Market St., San Francisco.
Architect—None.
Contractor—Nelson & Forsyth, Union Savings Bank Bldg., Oakland.
COST, $14,000

DWELLINGS
(311) N FOOTHILL BLVD., 100 AND 150 W Fairfax, Oakland. Two one-story, six-room frame dwellings.
Owner—R. J. Pavert, 541 12th St., Oakland.
Architect—None.
Day's work. COST, $3995 each

DWELLING AND GARAGE
(312) W LAKESHORE AVE. 25 S Rosal, Oakland. Two-story, ten-room dwelling and garage.
Owner—H. M. Frostholm, 5867 Ocean View Drive, Oakland.
Architect—None.
Day's work. COST. $7,000

ALTERATION
(313) NO. 4050 PIEDMONT AVE., Oakland. Alteration.
Owner—Engs & Morgan, 1022 Washington, Oakland.
Architect—None.
Contractor—Perry Burlingame, 2325 2nd Ave., Oakland.
COST, $450

DWELLING
(314) RANLEIGH WAY, Piedmont. Two-story frame dwelling.
Owner—Paul E. Woodburn, 3965 Greenwood Ave., Oakland.
Architect—None.
Day's work COST, $3000

DWELLING
(314) W THIRTY-THIRD AVE. 100 N Farnum, Oakland. One-story, five-room dwelling.
Owner—F. J. Silva, 8425 Foothill Blvd., Oakland.
Architect—None.
Contractor—W. H. Burwell, 8519 Foothill Blvd., Oakland.
COST, $3500

ALTERATION
(316) NO. 5364 TRASK, Oakland. Alteration.
Owner—R. C. Hillen, Premises.
Architect—None.
Day's work COST, $400

DWELLING
(317) W WOODRUFF AVE. 70 N E-37th St., Oakland. One-story, 5-room dwelling.
Owner—A. Stenbro, 2122 Vicksburg, Oakland.
Architect—None.
Day's work. COST, $3500

DWELLING
(318) SW WEBSTER AND DANA, Berkeley. Two-story, eight-room dwelling.
Owner—Mary Coffage, 3014 Dana St., Berkeley.
Architect—None.
Contractor—F. W. Thaxter, 1703 Virginia St., Berkeley.
COST, $5000

DWELLING
(319) N EXCELSIOR AVE. 142 W Park Blvd., Oakland. One-story, 5-room dwelling.
Owner—J. A. Werner, Syndicate Bldg., Oakland.
Architect—None.
Contractor—Chas. C. Williams, Syndicate Bldg., Oakland.
COST, $4,000

GARAGE
(320) NO. 15 HILL ROAD, Oakland. Garage.
Owner—W. J. Wythe, Central Bank Bldg., Oakland.
Architect—None.
Day's work. COST, $400

DWELLING
(321) E NINETY-FOURTH AVE. 75 N A St., Oakland. One-story, four-room dwelling.
Owner—E. B. & A. L. Stone Co., Claus Spreckels Bldg., San Francisco.
Architect—None.
Day's work. COST, $2000

ALTERATION
(322) NO 6077 OCEAN VIEW DRIVE, Oakland. Alteration.
Owner—H. L. Olsen, Premises.
Architect—None.
Day's work. COST, $600

RESIDENCE
(323) LOT 10, LAKEWOOD PARK, Piedmont. Two and one-half story frame residence.
Owner—H. C. Stormer, 5164 Broadway, Oakland.
Architect—None.
Contractor—W. A. Farris, 16 Monte Vista Ave., Oakland. COST, $9,000

DWELLING
(324) N LAKESHORE AVE. 40 W Weldon, Oakland. Two-story, seven-room dwelling.
Owner—Glantz & Fink, 195 Oak Way, Piedmont.
Architect—None.
Day's work. COST, $5,000

DWELLING
(325) N LAKESHORE AVE. 80 W Rosal, Oakland. Two-story, seven-room dwelling.
Owner—Glantz & Fink, 195 Oak Way, Piedmont.
Architect—None.
Day's work. COST, $5,000

DWELLINGS
(326) E WARFIELD AVE. 40 AND 80 N Prince, Oakland. Two two-story, seven-room dwellings.
Owner—Glantz & Fink, 195 Oak Way, Piedmont.
Architect—None.
Day's work. COST, $5,000 each

DWELLING
(327) E WARFIELD 50 N Weldon, Oakland. Two-story, seven-room dwelling.
Owner—Pearl Weirich.
Architect—None.
Contractor—C. W. Glantz, 195 Oak Way, Piedmont. COST, $5,000

GARAGE
(328) S TWENTY-FIRST ST. 125 E Webster, Oakland. Two-story reinforced concrete garage.
Owner—H. O. Harrison, Sutter and Van Ness Ave., San Francisco.
Architect—M. I. Diggs, Oakland.
Contractor—Palmer & Petersen, Monadnock Bldg., San Francisco. COST, $60,000

MARQUEE
(329) THIRTEENTH AND HARRISON, Oakland. Marquee.
Owner—Aahmes Temple.
Architect—None.
Contractor—H. Dombrink, 2008 Telegraph Ave., Oakland. COST, $800

ALTERATION
(330) NO. 892 UNION ST., Oakland. alteration.
Owner—D. W. Erwin, 1052 14th St., Oakland.
Architect—None
Day's work. COST, $500

DWELLINGS
(331) TAYLOR AVE., Alameda. Two one-story five-room dwellings.
Owner—Howard Nethken, 3651 39th Ave., Oakland.
Architect—None.
Day's work. COST, $3,000 each

ADD
(332) NO. 1810 ST. CHARLES ST., Alameda. Add.
Owner—M. W. Beck, Premises.
Architect—None.
Day's work. COST, $800

DWELLING
(333) N HEARST AVE. 250 E McGee Berkeley. One-story six-room dwelling.
Owner—D. L. Shirk, 1719 Hearst Ave., Berkeley.
Architect—None.
Contractor—R. B. Scammon, 1719 Hearst Ave., Berkeley. COST, $2500

REPAIRS
(334) NO. 2120 KITTRIDGE ST., Berkeley. Repairs.
Owner—L. Reid.
Architect—None.
Contractor—Wright & McGinty, 2127 Kittridge, Berkeley. COST, $500

ALTERATION
(335) NO. 2718 REGENT ST. Berkeley. Alteration.
Owner—F. E. Allen, Premises.
Architect—None.
Day's work. COST, $450

DWELLING
(336) SW ROBLE AND TUNNEL Road, Berkeley. Two-story, seven-room dwelling.
Owner—Wm. McDuffie.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractor—Ben Pearson, 2403 Grant, Berkeley. COST, $10,000

GARAGE
(337) NO. 479 CHENEY AVE., Oakland. Garage.
Owner—H. W. Haler, 559 16th St., Oakland.
Architect—None.
Day's work. COST, $500

ALTERATION
(338) NO. 824 E-NINETEENTH ST., Oakland. Alteration.
Owner—Hugh McCracken, Premises.
Architect—None.
Day's work. COST, $700

DWELLINGS
(339) E LINCOLN AVE. 35, 67, 103 S Wilbur and SE cor. Lincoln Ave. and Wilbur. Four one-story, five-room dwellings.
Owner—Cosmopolitan Mutual Building and Loan Association, 1130 Broadway, Oakland.
Architect—None.
Contractor—Ben F. Kopf 1015 82nd Ave. Oakland. COST, $3750 each

DWELLING
(340) N LOCKWOOD ST. 480 E 69th Ave., Oakland. One-story, four-room dwelling.
Owner—A. Carlton, 2023 69th Ave., Oakland.
Architect—None.
Contractor—S. Carlton, 2023 69th Ave., Oakland. COST, $2400

GARAGE
(341) NO. 1714 NINETEENTH AVE., Oakland. Garage.
Owner—L. M. Gardener, Premises.
Architect—None.
Day's work. COST, $400

ALTERATIONS
(342) NO. 2024 UNIVERSITY AVE., Berkeley. Alterations.
Owner—Bradshaw & Williamson, 6429 Telegraph Ave., Oakland.
Architect—None.
Day's work. COST, $1500

ALTERATIONS
(343) NW SHATTUCK AND ALLSTON Way, Berkeley. Alterations to store
Owner—Roos Bros., Premises.
Architect—None.
Contractor—Henry McCullough, 1641 Allston Way, Berkeley. COST, $10,000

ALTERATIONS
(344) S TWENTY-FOURTH 300 W Telegraph Ave., Berkeley. Alter armory into garage.
Owner—C. S. Booth, 928 16th, Oakland.
Architect—None.
Contractor—S. A. Warner, 4606 Brookdale Ave., Oakland. COST, $2300

FACTORY
(345) E HIGH 60 S S. P. R. R., Oakland. One-story brick factory.
Owner—Mrs. Alma Smith, Oakland.
Architect—None.
Contractor—S. A. Warner, 4606 Brookdale Ave., Oakland. COST, $8496

DWELLING
(346) E VAN DYKE 120 S Brooklyn, Oakland. One-story 5-room dwelling
Owner—Pauline Walker, 728 Jones St., Oakland.
Architect—None.
Contractor—S. A. Warner, 4606 Brookdale Ave., Oakland. COST, $4300

DWELLING
(347) N E-THIRTY-SEVENTH 100 W Hopkins, Oakland. One-story 5-room dwelling.
Owner—Richard Oates, 1444 San Pablo Ave., Oakland.
Architect—None.
Day's work. COST, $3750

ADDITION
(348) HOLLYWOOD BLVD. AND 107th Ave., Oakland. Addition.
Owner—Fageols Motor Co., Premises.
Architect—None.
Day's work. COST, $600

STATION
(349) SW SEVENTH AND MYRTLE, Oakland. One-story tile battery station.
Owner—W. C. Marshall, Bacon Bldg., Oakland.
Architect—None.
Contractor—Marshall, McQuon & Dealey, Bacon Bldg., Oakland. COST, $500

REPAIRS
(350) NW SEVENTH AND WASHington, Oakland. Fire repairs.
Owner—T. W. Corder.
Architect—None.
Contractor—J. F. Shrader, 520 16th, Oakland. COST, $401

DWELLING AND GARAGE
(351) PTN. LOTS 1 AND 2, all Lot 14 Blk 1, Broadmoor, San Leandro. All work for one-story and basement 7-room dwellling and garage.
Owner—Henry A. White, 537 28th St., Oakland.
Architect—Hutchinson & Mills, 1512 Broadway, Oakland.
Contractor—Alexander C. Wleben, 1919 Fruitvale Ave., Oakland.
Filed Feb. 14, '20. Dated Feb. 13, '20.
Roof boards on ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $7400
Bond, $3725. Sureties, C. A. Wieben and Katharine G. Scott. Limit, 90 days. Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES

### Alameda County

Feb. 7, 1920—SE CHABOT ROAD 100 NE College Ave, NE 50xSE 166.5, Oakland. R. B. Vinson to Solomon Morris .....Feb. 1, 1920
Feb. 11, 1920—SE PARK BLVD & Wellington Ave, Okd. Edward Hennings to E W Woodard.....Feb. 10, 1920
Feb. 11, 1920—SE COLLEGE AVE & Webster, Bkly. . Gertrude Lane Brown to whom it may concern.....Feb. 10, 1920
Feb. 11, 1920—W COLLEGE AVE 300 N Alcatraz Ave, Bkly. Executrics of Estate of Ellen E Johnson, deceased, Edith J Usinger and Alice E Johnson to Edward E Larmer.....Feb. 10, 1920
Feb. 11, 1920—SE TWENTY-THIRD and Webster E 100xS 50, Okd. H A Mitchell to **Reed & Corlett**.....Feb. 3, 1920
Feb. 11, 1920—LOT 2 BLK 6 Map 4th Ave Heights, Okd. W L Thelin to Oscar E Nelson.....Feb. 6, 1920
Feb. 13, 1920—LOT 11 BLK 8; Lot 13 Blk 8; Lot 28 Blk 3; Lot 19 Blk 9; Lot 21 Blk 9, Hollywood, San Leandro. Omer F Darling to whom it may concern.....Feb. 10, 1920
Feb. 13, 1920—LOT 2 and Ptn Lot 22, Map Thousand Oaks. Percy Nutt to whom it may concern.Feb 12, 1920

## BUILDING CONTRACTS.

### Santa Clara County.

COTTAGE
SO. FIFTEENTH NR. SAN CARLOS. San Jose. Six-room cottage.
Owner—L. Szekeres, San Jose.
Architect—None.
Contractor—L. E. Atkinson, 180 Yosemite, San Jose. COST, $5000

ADDITION
JULIAN NR. TERRAINE. San Jose Addition of wood and corrugated iron.
Owner—Bean Spray Pump Co., 217 W Julian, San Jose.
Architect—None.

Contractor—F. L. Hoyt, 566 N 16th, San Jose.
COST, $8000

COTTAGE
NO. 316 PARK AVE., San Jose. Six-room cottage.
Owner—Cathrine Maurier, 370 W San Fernando, San Jose.
Architect—None.
Contractor—Carl Maurer, 370 W San Fernando, San Jose.
COST, $3000

SHOP
NO. 316 PARK AVE. (Rear), San Jose. Shop.
Owner—C. Maurer, 370 W San Fernando, San Jose.
Architect—None.
Day's work. COST, $1000

ADDITION
FIFTH AND KEYES, San Jose. Addition.
Owner—American Can Co., Premises.
Architect—None.
Day's work. COST, $35,000

## LIENS FILED.

**Fresno County.**

Recorded Amount
Feb. 10, 1920—LOT 30, NORMAL Villa, Fresno. G. H. Stivers vs. H. N. Foss and W. A. Edgerly, et al. ..... $2,955

## BUILDING CONTRACTS.

**Fresno County.**

DWELLING AND GARAGE.
LOTS 4, 5, BLK. 1, BOONE TRACT, Fresno. Frame dwelling and garage
Owner—Mrs. E. E. Shortz, Fresno.
Architect—None.
Day's work. COST, $2,025

DWELLING AND GARAGE.
LOTS 13, 14, BLK. 12, NORTH PARK Terrace, Fresno. Dwelling and garage.
Owner—D. J. Robinson, 2205 N Van Ness, Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S 4th, Fresno.
COST, $6,000

DWELLING AND GARAGE.
LOTS 53, 54, BLK. 17, NORTH PARK Terrace, Fresno. Dwelling and garage.
Owner—Ashton Bryant, Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S 4th, Fresno.
COST, $6,500

OVEN
NO. 2018 TULARE ST., Fresno. Oven.
Lessee—H. Harris, Premises.
Architect—None.
Contractor—S. Orchard, Fresno.
COST, $1,000

STORE AND DWELLING.
LOTS 1 TO 4, BLK. 9. ARLINGTON Heights, Fresno. Store and dwelling.
Owner—Joe Garnero, 3430 Madison St., Fresno.
Architect—None.
Contractor—Foster C. Wilson, Fresno.
Filed Feb. 10, '20. Dated Feb. 10, '20.
Foundation laid .....$1990.75
Roofs on ..... 1990.75
Building completed ..... 1990.75
Usual 35 days ..... 1990.75
TOTAL COST, $7963.00
Bond, $3962. Sureties, Pat Fox and Richard Tranor. Forfeit, $20. Limit, 60 working days. Plans and specifications filed.

DWELLINGS
LOTS 18, 19, BLK.3, DONAHOO ADD, Lots 19, 20, Blk 1, Dean Park, Fresno. Two dwellings.
Owner—J. L. Hagan, 3053 Grant St., Fresno.
Architect—None.
Day's work. COST, $1800 each

GARAGE
LOTS 6 TO 14, BLK. 1, WINDSOR Terrace, Fresno. Garage.
Owner—S. J. L. & F. Co., 1801 Tulare St., Fresno.
Architect—None.
Day's work. COST, $80,000

DWELLING AND GARAGE
LOT 16, BLK. 10, NORTH PARK, Fresno. Dwelling and garage.
Owner—K. M. Khantamour, 614 Griffith-McKenzie Bldg., Fresno.
Architect—None.
Contractor—J. C. Clark, 203 Griffith-McKenzie Bldg., Fresno.
COST, $6000

GARAGE
LOT 19, BLK. 163, Fresno. Garage.
Owner—J. P. Bernard, 661 Van Ness, Fresno.
Architect—None.
Contractor—L. M. Smith, Fresno.
COST, $1500

DWELLING AND GARAGE
LOT 1, BLK. 13, ALTA VISTA. Fresno. Dwelling and garage.
Owner—Earl J. Wallace, 632 College, Fresno.
Architect—None.
Contractor—J. B. Hart, 3667 Grant, Fresno.
COST, $7250

DWELLINGS
TEAGUE AND OLIVE STS., Fresno. Three dwellings.
Owner—Liberty Building Co., Fresno.
Architect—None.
Contractor—J. O. Kerricks, Fresno.
COST, $6,000 each

DWELLING
LOTS 16, 17, BLK. 1, HAZELTON, Fresno. Dwelling.
Owner—P. Stange, 2225 Fresno, Fresno.
Architect—None.
Day's work. COST, $2200

DWELLING AND GARAGE
LOT 20, NORTH VAN NESS TCT., Fresno. Dwelling and garage.
Owner—Mrs. Fulstone, 1615 Englewood, Fresno.
Architect—None.
Contractor—J. B. Hart, Fresno.
COST, $4500

DWELLING AND GARAGE
LOTS 3 AND 4, BLK. 1 CENTRAL Park, Fresno. Dwelling and garage.
Owner—E. B. Jensen, 928 Wilson St., Fresno.
Architect—None.
Day's work. COST, $4000

DWELLING AND GARAGE
LOTS 5 AND 6, BLK. 5, PALM VILLA Tract, Fresno. Dwelling and garage.
Owner—Fresno Home Bldrs., 1231 "I" St., Fresno.
Architect—None.
Day's work. COST, $5000

DWELLING
LOT 8 AND W ½ OF LOT 7, BLK. 4, Englewood Add, Fresno. Dwelling.
Owner—P. S. Turnbull, 216 Forsyth Bldg., Fresno.
Architect—None.
Contractor—C. E. Buckmaster, 1712 Lewis, Fresno.
COST, $4000

GARAGE
LOTS 7 TO 10, BLK. 57. Fresno. Garage.
Owner—H. B. Davidson.
Architect—None.
Contractor—S. F. Peletz.
COST, $2000

DWELLING AND GARAGE
LOT 4, BLK. 16, ALTA VISTA. Fresno. Dwelling and garage.
Owner—L. A. Leary.
Architect—None.
Contractor—C. E. Buckmaster, 1712 Lewis, Fresno.
COST, $5500

DWELLING AND GARAGE.
E ½ OF LOT 1, BLK. 1, OSBURN TCT., Fresno. Dwelling and garage.
Owner—E. Frank, 1239 Ferger St., Fresno.
Architect—None.
Contractor—W. F. Jennings, 3301 Iowa, Fresno.
COST, $2500

DWELLING AND GARAGE
CENTER ½ OF LOT 1, BLK. 1, Osburn Tract, Fresno. Dwelling and garage.
Owner—Mrs. Keffer.
Architect—None.
Contractor—W. F. Jennings, 3301 Iowa St., Fresno.
COST, $2500

DWELLING AND GARAGE
NO. 469 STOWARD ST., Fresno. Dwelling and garage.
Owner—Dow & Co.
Architect—None.
Contractor—G. C. Cannon, 2039 Fresno St., Fresno.
COST, $6000

ALTERATION
NO. 1052 "I" ST., Fresno. Alterations.
Owner—Jas. Anderson, 1120 "T" St., Fresno.
Architect—None.
Contractor—A. Allen, 2400 Tulare St., Fresno.
COST, $2500

GARAGE
LOT 1, BLK. 1, BARTLETT HEIGHTS. Fresno, Garage.
Owner—A. Foristi.
Architect—None.
Day's work. COST, $3500

ALTERATIONS
LOTS 15 AND 16, BLK. 52, Fresno. Alterations to present building and erect cleaning works.
Owner—A. Nilmeier, 611 "F" St., Fresno.
Architect—None.
Contractor—A. Allen, 2400 Tulare St., Fresno.
COST, $2200

DWELLING
LOTS 7 AND 8, BLK 71, K. B. Heights, Fresno. Dwelling.
Owner—M. Leonardo, Fresno.
Architect—None.
Day's work. COST, $2500

DWELLINGS AND GARAGES.
LOTS 1, 2, 9, 10, 31, AND 32, BLK. 3, College Add, Fresno. Three dwellings and garages.
Owner—J. G. Porter, 940 Cambridge St., Fresno.
Contractor—Owner.
COST, 1, $15,000; 2, $14,000

DWELLINGS AND GARAGES
LOT 12, ELMHURST, Fresno. Two dwellings and garages.
Owner—B. R. Lewis.
Architect—None.
Contractor—C. E. Millhollen, 363 Thesta, Fresno.
COST, $3500 each

DWELLING AND GARAGE
LOT F, BLK. 2, ALTA VISTA, Fresno. Dwelling and garage.
Owner—A. Ruddy, Cedar and Jefferson, Fresno.
Architect—None.
Contractor—C. E. Buckmaster, 1712 Lewis, Fresno.
COST, $14,000

DWELLING AND GARAGE
LOTS 15 AND 16, LUCERNE TCT., Fresno. Dwelling and garage.
Owner—John Crockron.
Architect—None.
Contractor—G. H. Walley, 135 Diana, Fresno.
COST, $3500

ALTERATIONS
TRANQUILITY HIGH SCHOOL District, Fresno County. Erection of tank and frame and make certain alterations.
Owner—Board of Trustee, Tranquility Union High School District.
Architect—Ernest J. Kemp, Rowell Bldg., Fresno.
Contractor—O. M. Jackson.
Filed Feb. 4, '20. Dated Dec. 15, '19.
Monthly payments of ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $1450
Bond, Sureties, Forfeit, none. Limit, 30 days. Plans and specifications filed.

HOTEL
LOTS 23, 24, 25, BLK. 96, Fresno. Six-story reinforced concrete hotel.
Owner—Harry Arkalian, Fresno.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Pritchard Bros., 623 Ferger, Fresno.
COST, $185,000

DWELLING AND GARAGE
HAZELWOOD LOTS 15 AND 16, BLK. 13, Fresno. Frame Dwelling and garage.
Owner—R. Werner, 3857 Ventura St., Fresno.
Architect—None.
Contractor—Chris Sehrt, 2027 Fresno

St., Fresno.
COST, $3000

DWELLINGS AND GARAGES
LOTS 20, 21, 22, 23, BLK 8, COLLEGE Add, Fresno. Two frame dwellings and garages.
Owner—G. Frec, 504 Mason Bldg., Fresno.
Architect—None.
Contractor—J. C. Purcel.
COST, $——

DWELLING AND GARAGE
LOTS 11, 12, BLK. 4 BELMONT ADD, Fresno. Frame dwelling and garage.
Owner—J. L. Dickey, 1440 "H" St., Fresno.
Architect—None.
Day's work. COST, $3500

DWELLING
LOT 15 AND W HALF LOT 14, BLK. 35, Belmont Add, Fresno. Frame dwelling.
Owner—W. A. Condley, 1424 White St Fresno.
Architect—None.
Contractor—C. E. Mullhollen, Fresno.
COST, $3000

DWELLING
LOTS 29, 30, BLK. 4, PALM VILLA Tract, Fresno. Frame dwelling.
Owner—Harry P. Nelson, Fresno.
Architect—None.
Day's work. COST, $5,000

DWELLING AND GARAGE
LOTS 12, 13, BLK. 16, LUCERNE TCT., Fresno. Frame dwelling and garage.
Owner—C. C. Crolkion, Fresno.
Architect—None.
Day's work. COST, $3500

FACTORY
THIRD AND TULARE STS., Fresno. Two-story hollow tile box factory.
Owner—California Pine Box Distributors, "H" corner Kern St., Fresno.
Architect—None.
Contractor—Felchlin & Co., 300 Bank of Italy Bldg., Fresno.
COST, $30,000

DWELLINGS AND GARAGES
LOTS 15, 16, 27, 28, BLK. 67; LOTS 19, 20, Blk. 66; lots 17, 18, Blk. 69, K. B. Heights, Fresno. Four dwellings and garages.
Owner—Fresno Building Corporation, Fresno.
Architect—None.
Day's work. COST, $5800 each

DWELLINGS AND GARAGES
LOTS 13, 14, 19, 20, 24, BLK 67, LOTS 1, 2, Blk. 68, K. B. Heights, Fresno. Four dwellings and garages.
Owner—Fresno Building Corporation, Fresno.
Architect—None.
Day's work. COST, $5,000 each

DWELLINGS AND GARAGES
LOTS 7, 8, 11, 12, BLK. 68, K. B. Heights, Fresno. Two dwellings and garages.
Owner—Fresno Building Corporation, Fresno.
Architect—None.
Day's work. COST, $4,300 each

DWELLING AND GARAGE
LOTS 22, 23, BLK., 8, Fresno Heights, Fresno. Dwelling and garage.
Owner—M. C. R. Nelson, 1247 "I" St., Fresno.
Architect—None.
Day's work. COST, $3500

DWELLING AND GARAGE
E ½ LOT 7 AND W ½ LOT 8, BLK. 20, Alta Vista Tract, Fresno. Dwelling and garage.
Owner—O. E. Brownson.
Architect—None.
Contractor—C. V. Smith, Fresno.
COST, $7500

DWELLING AND GARAGE
LOT 34, BLK. 20, ALTA VISTA TRACT, Fresno. Dwelling and garage.
Owner—C. C. Anderson, 3119 Kerckoff St., Fresno.
Architect—None.
Contractor—C. V. Smith, Fresno.
COST, $7,000

DWELLING AND GARAGE
LOT 14, BLK. 35, ALTA VISTA TRACT, Fresno. Dwelling and garage.
Owner—C. V. Smith, Fresno.
Architect—None.
Day's work. COST, $5,500

REPAIRS
NO. 710 "H" ST., Fresno. Repairs.
Owner—Ben Hunt, Premises.
Architect—None.
Contractor—E. Riggins, 317 Mason St., Fresno.
Day's work. COST, $1000

FRAME DWELLING, ETC.
LOTS 23 AND 24 BLK 347, Fresno. Frame dwelling and garage.
Owner—W. M. James, 245 White's Bridge, Fresno.
Architect—None.
Contractor—W. Snow, 357 Abby St., Fresno.
COST, $2000

DWELLING
LOTS 7 AND 8 BLK 20, North Park Terrace, Fresno. Frame dwelling and garage.
Owner—Chess & Peterson, Fresno.
Architect—None.
Day's work. COST, $7000

STORE BUILDING
LOTS 1 TO 6 BLK 92, Fresno. Fireproof store building.
Owner—W. J. Kittrell, 908 Mildreda St., Fresno.
Architect—None.
Contractor—Trewhitt & Shields Co., 1819 El Dorado St., Fresno.
COST, $25,000

## BUILDING CONTRACTS.

### Sacramento County.

FLATS
NO. 1514 TWENTY-NINTH ST., Sacramento. Two-story frame flat building (4 3-room flats).
Owner—W. E. Hannon, 1429 10th St., Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 "I" St., Sacramento.
COST, $10,400

RESIDENCES
NO. 2748-58-68-78, PORTOLA WAY, Sacramento. Four five-room residences.
Owner—C. H. S. Bidwell, 505 Bryte Bldg., Sacramento.
Architect—None.
Contractor—W. B. Ladue, 2319 "O," Sacramento
COST, $4850 each

RESIDENCE
NO. 3019 E ON W ½ LOT 6 D-E-30-31, Sacramento. Four-room residence.
Owner—James Reyle, Sacramento.
Architect—None.
Day's work. COST, $——

RESIDENCE
NO. 2115-28 ON S ½ LOT 1 U-V-28-29, Sacramento. Two-story residence.
Owner—J. S. Meyer, Sacramento.
Architect—None.
Day's work. COST, $2200

REMODEL
NO. 508-10 "K" ST., Sacramento. Remodel store.
Owner—White Estate.
Architect—None.
Contractor—G. E. Hook, Sacramento.
COST, $5500

RESIDENCE
NO. 2600 "Y" ST., Sacramento. One-story four-room residence.
Owner—J. E. Whittaker, Sacramento.
Architect—None.
Day's work. COST, $2000

APARTMENTS AND GARAGES.
NO. 717 TWENTY-FIRST ST., Sacramento. Two-story frame (four 4-room apartments and 3 garages.)
Owner—A. E. Saunders, Sacramento.
Architect—None.
Contractor—J. A. Saunders, Sacramento.
COST, $9200.

REPAIRS
NO. 2412 FOURTH AVE., LOT 141, W Curtis Oaks, Sacramento. General repairing to residence.
Owner—I. S. Marks, 2006 2nd Ave., Sacramento.
Architect—None.
Contractor—G. B. Stahl, San Francisco Blvd., Sacramento.
COST, $1137

RESIDENCE AND GARAGE
NO. 4000 "J," LOT 1613 W AND K, Tract 24, Sacramento. Two-story, 12-room residence and garage.
Owner—H. Davis.
Architect—None.
Contractor—Simmonds & Birdsall, "M" St., Sacramento.
COST, $12,500

REPAIRS
NO. 1309 THIRD ST., Sacramento. Repair foundation of residence.
Owner—A. J. Parra.
Architect—None.
Contractor—G. E. Hook, 718 18th St., Sacramento.

REMODEL RESIDENCE
NO. 1415 "K" ST., Sacramento. Remodel residence.
Owner—D. Combs, 716 K St., Sacramento.
Architect—None.
Contractor—G. E. Hook, 718 18th St., Sacramento.
COST, $1500

ALTERATIONS
LOT 10, I, J, 12th and 13th Sts., Sacramento. Alter and add to Strand Theatre.
Owner—M. H. and Clara L. Diepenbrock, 2315 M St., Sacramento.
Architect—E. C. Hemmings, 1203 J St., Sacramento.
Contractor—Mathews Constr. Co., 1013 Forum Bldg., Sacramento.
Filed Jan. 31, '20. Dated Jan. 22, '20.
COST, $58,580

ELECTRICAL WORK ON ABOVE.
Contractor—J. C. Hobrecht, 1014 6th St., Sacramento.
Filed Jan. 31, '20. Dated Jan. 21, '20.
COST, $12,804

BRICK BUILDING
SE SEVENTH AND "P" STS., Sacramento. One-story brick building.
Owner—Jas. Anastasiow, 1531 7th St., Sacramento.
Architect—None.
Contractor—L. G. Barton.
Filed Jan. 31, '20. Dated Jan. 30, '20.
COST, $8630

## BUILDING CONTRACTS

### San Joaquin County.

REPAIRS
EAST MAIN ST. Bet. Sutter and California, Stockton. Remodel and repairs to building.
Owner—Mrs. S. M. Hickinbotham, 535 E Market, Stockton, Calif.
Architect—None.
Day's work. COST, $16,000

RESIDENCE AND GARAGE
MENDOCINO ST. Bet. Sutter and California, Stockton. Frame residence and garage.
Owner—North Stockton Land Association, Stockton.
Architect—None.
Day's work. COST, $4200

RESIDENCE
EAST POPLAR ST. Bet. Ophir and Sierra Nevada, Stockton. Two frame residences.
Owner—C. Bacigalupi, Stockton.
Architect—None.
Day's work. COST $3600 each

BUILDING
LOT 15 BLK 52 Worth and Anderson Sts., Stockton. Building.
Owner—George Chillon, 328 E-Weber St., Stockton.
Architect—None.
Contractor—E. McGregor and Shad Bone, Stockton.
Filed Feb. 7, '20. Dated Jan. 19, '20.
COST, $5336

DWELLING
SONOMA ST., bet. Hunter & El Dorado Sts., Stockton. Dwelling.
Owner—L. C. Gardner, 720 N-Hunter St., Stockton.
Architect—None.
Day's work. COST, $4000

RESIDENCE
BET. McKINLEY AVE AND COMMERCE St., Mossdale. Residence.
Owner—H. L. Jones, Stockton.
Architect—None.
Day's work. COST, $2000

GARAGE
MINER AVE AND SAN JOAQUIN ST., Stockton. Garage.

Owner—E. L. Philipson, 25 E-Main St., Stockton.
Architect—None.
Day's work. COST, $28,380

### COMPLETION NOTICE.

**San Joaquin County.**

Recorded Accepted
Feb. 6, 1920—LOTTIE GRUNSKY School, Stockton. City of Stockton Board of Education to Home Electric Co. .....Feb. 4, 1920
Feb. 10, 1920—LOT 1, BLK. 13, LAKE Park, Stockton. T. E. Williamson to T. E. Williamson.....Feb. 7, 1920

### LIENS FILED.

**San Joaquin County.**

Recorded Amount
Feb. 10, 1920—N ½ OF NW ¼, SEC. 22, save and except the E 36 acres. T 2 S, R 7 E. Home Lumber Co., Cptn., vs. Frank J. Nolan, Beatrice A. Nolan, Victor N. Walsh, W. F. King, M. L. King and Knud Jorgenson .....$1,580.74

### LUMBER SITUATION IN RUSSIA.

Last summer the sawmills of Archangel and the White Sea district of Russia were able to produce only about one-fourth of the timber sawn in 1913 and it is extremely doubtful whether the output in 1919 will amount to one-eighth, states a recent report of the U. S. trade commissioner at Archangel.

The felling, floating and sawing of lumber are the principal industries of this region. The decrease in production during the war and revolution is directly traceable to labor and kindred troubles, shortage of tonnage and diminished demand from Europe. In spite of the tremendous need of lumber in Western Europe, sales are very difficult partly because of the Russian insistance upon a low rate of exchange, the present obligatory rate of foreign exchange not representing the true value of the ruble. Consequently in dividing the ruble cost price of timber by the rate of exchange, the number of pounds, francs or crowns obtained is much higher than similar quotations from Scandinavia.

Another reason for the present paralysis is that most of the standing timber which supplies the mills is in that part of the Archangel district which is occupied by the Bolsheviks, and as a result no logs can be obtained from these regions.

### PROPOSED MANUFACTURE OF CEMENT FIBER.

[Consul Edward A. Dow, Ciudad Juarez, Mexico, Dec. 30, 1919.]

Below is a translation of a statement addressed to this consulate by Mr. E. Mouret, a former resident of France but now a civil engineer, whose address is P. O. Box No. 15, Ciudad Juarez, Chihuaha, Mexico. Mr. Mouret refers to a product called cement fiber, which he states has been made in the past in France and Germany, but so far as it is known, not in commercial quantities either in Mexico or in the United States. One of the chief advantages of this product, Mr. Mouret states, is the fact that it could become a by-product in cement plants in the United States. It is particularly desirable for buildings in the Tropics and in damp climates, since it will not rust like corrugated iron. Further information regarding this product can be obtained upon request from Mr. Mouret at the address above given. The statement follows:

**Advantages and Uses of Cement Fiber.**

Cement fiber is not subject to atmospheric changes such as heat, cold, or humidity; it is also incombustible. It is not a conductor of heat or electricity. From this standpoint it is extremely superior to corrugated iron and to other products used for roofing materials. Its durability is unusually great, since its exposure to the elements merely serves to make it even harder. The material is very strong and practically unbreakable. Although it can be sawed, filed, perforated or nailed, even along the edge, it can neither be split nor broken readily.

Cement fiber is as light and easy to apply as corrugated iron. The roofs made of fiber cement are absolutely impervious. This essential condition is never found in a permanent manner in the case of corrugated iron. Cement fiber can be made smooth or corrugated, and in various colors such as natural, red, green, blue, etc. The color, being woven into the material itself, does not change.

Moreover, with reference to its practical utility for roofing, cement fiber is especially suitable for temporary or permanent buildings and is an advantageous substitute for products such as beaver board, artificial lumber, etc., by reason of its insulating and fireproof properties. The fiber can be made in sheets and in measurements similar to those of corrugated iron. It can also be made into tubes or cylinders similar to those of metal. It has no joints or seams and is suitable for reservoirs for all kinds of liquids, for bath tubs, flower pots, and other products of common use and in constant demand. Cement fiber can also be easily glazed.

The product can be manufactured economically and sold more cheaply than metal articles for similar purposes, being at the same time superior to them from all standpoints. The manufacture of this product is very easy and skilled labor is not required. All necessary materials can be obtained in the United States.

(Samples of cement fiber are on file at the Bureau of Foreign and Domestic Commerce and its district offices. Refer to file No. 767.)

### INDUSTRIAL RESTORATION IN BELGIUM.

In Belgium, since April 1st, machinery valued at the equivalent of more than a half-million dollars has been recovered from Germany, says the minister of economic affairs; the resumption of the coal mines has reached 86.8 per cent of the 1914 output, and in 230 factories visited, 37,137 men are at work out of 45,299 employed in 1913. Of the 800,000 unemployed at the time of the armistice, 200,000 only are still registered. Every effort is being made to develope Belgium's agricultural resources to their utmost and exhibitions and contests of motoculture machinery are being held frequently. The status of the railroads is rapidly improving, all the trackage moved by the Germans having been replaced. Seventeen thousand trains are in operation daily and are moving 1,720,000 tons of freight. There is a daily shortage of 2500 freight cars, but plans have been made providing for a vast extension to meet the great increase in requirements. Both passenger and freight receipts show an increase in August, 1919, over August, 1913.

### WOOD BLOCK PAVING IN NEW ORLEANS.

No less than 70,000 square yards of wood block paving will be put down in New Orleans during 1920, the work to be begun early in the year The street paving and repaving program of the city gives a larger place to creosoted wood block paving than any preceeding program has ever done, this being the preference of property owners along a number of streets to be paved.

### NEW WIRELESS STATION.

SEATTLE, Wash.—What is said to be the largest and most powerful wireless station on the Pacific Coast, commanding sufficient power to communicate with the Hawaiian Islands, Arctic Alaska and probably the Orient, will be in operation this year at Keyport, Wash., across Puget Sound from Seattle. The station, which will be 400 feet in height, was ordered built by the United States Bureau of Yards and Docks of the Navy.

Work will be completed within six months. The structure will be of steel, ninety feet in diameter at its base.

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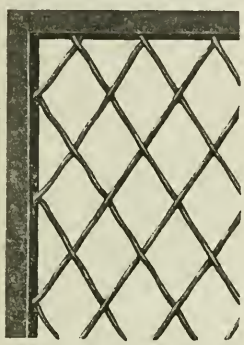

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**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

Chapter Office 700 Marston Building 244 Kearny St., San Francisco

## CHAPTERS & CLUBS:

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1321 Thirty-third St.,
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**LOS ANGELES CHAPTER**

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1104 Central Building
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**PORTLAND CHAPTER**

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J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEADQUARTERS.

The American Association of Engineers is now the largest engineers' society in America. Organized in 1915, a struggling society of 2,500 members a year ago now, after absorbing the energies, enthusiasms and loyalties of thousands of engineers, the support by amalgamation of a number of local organizations, the association stands with over 12,000 members as the one universal engineers' society of America. In addition to this large number of members there are several thousand applications which have not yet been passed on.

During the last year the following local societies have been absorbed and established as chapters of the association: Idaho Society of Engineers, Oregon Society of Engineers, Engineers' and Architects' Association of Southern California, Southwestern Society of Engineers, the Navy Technical Association, Northwestern Society of Highway Engineers, the Engineers' Club of Kansas City and the Engineers' Club of Houston, Texas, Sacramento, California, and several colleges. In addition to this the North Carolina Society of Civil Engineers has voted to amalgamate with the association, and will do so as soon as the details are arranged. The Michigan Engineering Society at its annual convention in January showed a strong desire to affiliate with the association by an overwhelmingly favorable vote (only one negative) to refer the question of amalgamation with the association to its members by letter ballot.

With only 25 or 30 chapters and clubs in the first of 1919, the American Association of Engineers has today 105 chapters and 45 clubs.

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W. W. K.. Sparrow, corporate chief engineer of the Chicago, Milwaukee & St. Paul Railway, will be the chairman of the morning session of the second annual railroad conference of the American Association of Engineers. This conference will be held in the Congress Hotel in Chicago on March 15.

The chairman of the afternoon session has not yet been selected. The topics for the discussions are as follows:

A. A. E.'s Work in the Railroad Field During 1919.

Plans for Future Railroad Work.

The Organization and Functions of Railroad Sections.

Railroad Sections and Their Relations to the Chapters.

The A. A. E. Railroad Salary Schedule.

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The North Carolina Society of Engineers at its meeting in Raleigh on January 31 adopted a constitution that provided for amalgamation with the American Association of Engineers. The principal speaker in favor of the amalgamation was Dr. W. C. Riddick, President of the North Carolina State College and president of the society. R. C. Bailey, addressed the convention and advised the members of financial arrangements which the association would make upon amalgamation. New officers were not elected.

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The officers for 1920 of the Milwaukee Chapter of the American Association of Engineers are: A. E. Holcomb, president; N. Prakken, vice-president; C. S. Gruetzmacher, secretary, and Wm. Tubesing, treasurer.

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Secretary C. E. Drayer, of the American Association of Engineers, addressed the engineers of Flint, Michigan, at an open meeting of the Flint Club, A. A. E., on February 11. E. L. Brandt, secretary of the Detroit Chapter, traced the history of The Monad, the official emblem of the association in an interesting talk. Secretary Drayer's subject was "A. A. E.—Its Achievements and Future."

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The Northwestern Society of Highway Engineers voted at its January meeting, held at Salem, Oregon, to amalgamate with the American Association of Engineers as the Northwestern Highway Section of the American Association of Engineers. The constitution provides in addition to the new name that the requirements for admission would be the same as those for admission to the American Association of Engineers, but in addition members of the section must be "Persons professionally engaged in highway engineering and others who are interested in the advance of the science of highway engineering.

Officers for 1920 were elected as follows: G. V. Skelton, president; R. A. Klien, second vice-president; C. G. Reiter, treasurer; C. B. McCullough, secretary; S. H. Probert, director, 3-year term; C. H. Purcell, director, 2-year term, to fill place of H. C. Allen (deceased). C. N. McCullough has since resigned as secretary and has been succeeded by J. W. De Souza.

## Fortnightly Engineering Service Review.

Analysis of the present market for engineering services shows the underlying causes of the extremely great demand to be:

First, an urgent and insistent need for professional technical services from the more active industrial centers.

Second, reduced number of engineers caused by many competent professional men leaving for other fields where remuneration is more satisfactory.

There is every indication that the demand will continue and in all probability increase with the advent of open weather and increased construction. It is improbable that salaries of engineers will be stabilized soon for they must be increased to correspond with the cost necessities.

The call for structural designers and detailers was large during the past fortnight. The average salary of detailers ranges between $200 and $240 per month at the present time. One company alone is in urgent need of forty such men. Mechanical and electrical engineers are needed by many large and well established organizations, but not in proportion to structural men. An increasing number of calls are received for transit men for positions paying around $175. In brief, the general conditions are satisfactory from the standpoint of the engineer.

Highway construction does not appear to be very promising according to late reports from various highway departments. Few contractors appear to be willing to submit bids on roads on account of rapidly increasing cost of materials.

In one state which recently invited tenders on 68 miles of roadway only ten contractors offered bids, and they submitted figures only on 70 per cent of the projects. The bids were 50 per cent in excess of last year's cost a mile. The figures included wages for common laborers at from 75 cents to $1.00 per hour.

Indications are that the million-dollar contractors with all up-to-date road construction machinery are not enthusiastic over highway work this year.

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The engineers of the Chattanooga Chapter of the American Association of Engineers, who have been attending a class in highway engineering preliminary to engaging in highway construction, will probably not seek employment with the Tennessee State Highway Commission, as they had in-

## IRRIGATION DISTRICTS IN OREGON.

Prior to 1916 only eleven irrigation districts had been organized in Oregon. During 1916 six irrigation districts were organized and since January, 1917, eight districts have been organized, and at least three others are being contemplated.

Two districts are known to be in the process of organization in Rogue River Valley.

In Baker County a number of districts are being organized largely under the direction of County Agriculturist Henry E. Tweed.

| | Name | Year Formed | Acres in Dist. | Acres Irrigable. | Location County | Source of water | Method of obtaining water | Bonds | Headwaters |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Payette, Ore. Slope. | 1912 | 6,700 | 5,500 | Malheur Co. | Snake River | 100 ft. pumping | $225,000. | Payette, Ida |
| 2 | Gold Hill | 1916 | 5,000 | 1,100 | Jackson Co. | Rogue River | Gravity canal | 60,000. | Gold Hill. |
| 3 | Willow-Alder | 1916 | 24,435 | ..... | Malheur Co. | Bully Creek | ..... | ..... | ..... |
| 4 | Suttles Lake | 1914 | 37,000 | 15,000 | Jefferson Co. | Suttles Lake | Gravity canal | 750,000. | Grand View |
| 5 | North Unit | .... | 143,000 | ..... | Jefferson Co. | Deschutes River | Gravity canal | 5,000,000. | Madras. |
| 6 | Horsefly | 1911 | 19,800 | ..... | Klamath Co. | Miller Creek | Grav. can't Pump. | ..... | Bonanza. |
| 7 | Central Oregon | 1917 | 52,600 | ..... | Deschutes Co. | ..... | ..... | ..... | Redmond. |
| 8 | Enterprise | 1918 | 2,373 | ..... | Klamath Co. | U. S. Reclamation Service Canal | Pumping | ..... | Klamath Falls. |
| 9 | Snake River | .... | 17,000 | ..... | Malheur Co. | Ordered dissolved | | | |
| 10 | Talent | 1916 | 16,000 | ..... | Jackson Co. | Keene Creek | Gravity | 600,000. | Talent. |
| 11 | Teel | 1912 | 16,000 | ..... | Umatilla Co. | Camas Creek | Gravity | 1,200,000. | Echo. |
| 12 | East Fork | 1913 | 13,398 | 11,064 | Hood River Co. | Hood River | ..... | 225,000. | Hood River. |
| 13 | Dead Ox Flat | .... | 22,000 | ..... | Disapproved | Snake River | Pumping 385 ft. | ..... | Payette, Ida |
| 14 | Owyhee | 1910 | 34,200 | 30,000 | Malheur Co. | Owyhee River | Gravity canal | ..... | Nyssa. |
| 15 | Ochoco | 1916 | 22,000 | ..... | Crook Co. | Ochoco Creek | Gravity canal | 1,100,000. | Prineville. |
| 16 | Silver Lake | 1916 | 8,177 | 7,777 | Lake Co. | Thompson Val. | Gravity canal | ..... | ..... |
| 17 | Medford | 1917 | 19,565 | ..... | Jackson Co. | ..... | ..... | 1,500,000. | Medford. |
| 18 | Grants Pass | 1917 | 8,000 | 5,500 | Josephine Co. | Rogue River | Gravity canal | 290,000. | Grants Pass |
| 19 | Willow Valley | 1918 | 1,984 | ..... | ..... | Langells Valley | Gravity | ..... | Langells Valley. |
| 20 | Warm Springs | 1918 | 31,600 | ..... | Malheur Co. | Malheur River | Gravity | 750,000. | Vale. |
| 21 | Hood River | 1905 | 4,174 | ..... | Hood River Co. | ..... | Gravity | 170,000. | Hood River. |
| 22 | Paradise | 1918 | 35,500 | ..... | Umatilla Co. | Umatilla River | Gravity | 2,468,300. | Echo. |
| 23 | Harney Valley | 1918 | 46,000 | ..... | Harney Co. | Silvies River | Gravity | ..... | ..... |
| 24 | Succor Creek | 1918 | 1,800 | ..... | Malheur Co. | Succor Creek | Gravity | ..... | ..... |

tended. The reason for this is that engineers entering the service will be paid only from $1,500 to $2,100 per year.

Plans of the highway commission were outlined by Professor Dougherty, head of the department of civil engineering of the University of Tennessee, before a recent meeting of the chapter. According to Professor Dougherty the supervising engineer must have had two years of actual experience in road construction and several years of additional experience in other kinds of engineering. It is the opinion of engineers in Chattanooga that positions will not be filled by experienced men with the salaries of from $1,500 to $2,100. These salaries would be fair enough for college graduates. But as there is a shortage of engineers it is extremely doubtful that any men of experience can be engaged at these salaries.

The Chattanooga Chapter has also stated that the state highway engineer's position is worth $15,000 on account of the responsibility devolving upon the incumbent, who has to spend eight million dollars for road construction.

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The South Dakota State Chapter of the American Association of Engineers has recently been chartered at Pierre, South Dakota. This chapter will have jurisdiction over the entire state. G. A. Crayton is temporary secretary.

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The first annual convention of the Santa Fe Coast Lines Railroad Section of the American Association of Engineers was held in Los Angeles on January 10, 1920. Conatitution and by-laws were ratified and committees appointed. Divisional representatives were also appointed and a banquet and dance was held in the evening. O. R. West is president and L. E. Smith is secretary.

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### LETTER TO THE EDITOR.

February 16, 1920.

To the Editor,
Building and Engineering News,
560 Mission treet,
San Francisco, California.

Dear Sir: I enclose proposed Schedule of Salaries for the State Highway Engineers proposed by the American Association of Engineers.

In view of the fact that a billion dollars will be spent on highways in the next year and five thousand engineers will be required to plan and supervise this work, it is obvious that our State must pay higher salaries if we desire to secure the best talent in competition with the States which have adopted the new schedule.

The National Association of State Highway Commissioners has approved this schedule.

Very truly yours,
V. D. COUSINS,
For American Association of Engrs.

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### THE NEW DITCHING MACHINE.

A new ditching machine suitable for all the light work now done exclusively by teams and scrapers has recently made its appearance here in California, and the first machine built of this design is at work cutting drain ditches on a new irrigation project in Colusa County. It is handled by the Volute Ditching Machine Co., 403 Wells Fargo Express Building, San Francisco.

**Irrigation Ditches.**—Machine will cut an irrigation ditch to a true hydraulic form and by the simple application of a striking board is enabled to deposit the excavated material on the bank at the edge of the cut or leave as much of a berm as is desired. Wide ditches as well as narrow ones can be cut economically with this machine.

**Drain Ditches.**—Machine will cut drainage ditches without embankment, leaving land free to be cultivated up to the edge of the drain ditch. Capacity of machine will depend largely on character of soil, but under ordinary circumstances it will handle from 200 to 300 cubic yards per hour.

**Road Construction.**—Machine can be used by the road contractor in many different instances, as its ability to kick a lot of dirt out of the way in a short time will make it invaluable where cuts must be disposed of over the road side whether this be up or down; it should prove a great money saver on road drainage ditches.

**Operating Costs.**—Machine uses gas or kerosene for fuel and requires about 2½ gallons per hour. Cost of lubricating oils is about half of the fuel cost. Three men can operate the machine, one must be a gas engine man and the others laborers, and machine can be operated as well at night as in daylight.

In moving from place to place this machine travels on its own power, being a tractor in itself and moving from one to two miles per hour over ordinary roads, and will cross any bridge that wil stand the weight of an ordinary truck.

Continued to page 23)

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES

Contract Awarded.
APARTMENTS Cost, $20,500
SAN JOSE, Santa Clara Co., Cal. South Third St. near San Carlos.
Two-story frame and plaster apartment house (4 4-room apts.)
Owner—R. N. Castle.
Architect—Chas. S. McKenzie, Garden City Bank Bldg., San Jose.
Contractor—Al. House, 130 S-Market St., San Jose.

General Contract Awarded.
APARTMENT HOUSE Cost, $15,000
SAN FRANCISCO. S Sacramento bet Fillmore and Steiner Streets.
Add and alter two-story and basement frame and plaster building for apartment house (8 4-room apts.) 6 garages in basement.
Owner—Jefferson W. Asher, Cr. Strand Theatre, 965 Market St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg. San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.
NOTE:—This contract only includes carpentry and mill work.

Plans Ready For Figures. Permit Applied For.
ADDITION Cost, $60,000
SAN FRANCISCO. N McAllister Street Bet. Leavenworth and Hyde Sts.
Five-story and basement steel and concrete addition to apartment house (35 2-room apts.) Argyle Apartments.
Owner—Edw. Rolkin.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $5,000
SAN FRANCISCO. Fifteenth and Church Streets.
Alter three-story frame flats into (9) apartments.
Owner—Mr. J. Quinn.
Architect—A. W. Richardson, 941½ Church St., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $——
OAKLAND, Alameda Co., Cal.
Three-story frame apartment house.
Owner—Withheld.
Architects—Chas. W. McCall and W. J Wythe, Central Bank Bldg., Oakland.

Contract Awarded.
APARTMENTS, ETC. Cost, $60,000
LOS ANGELES, Cal. SE Santa Monica Blvd. and Western Ave.
Two-story brick store and apartment building, 97x110 (8 stores, bank and 10 apts. and several offices).
Owner—Edw. T. Hayden.
Designer & Contractor—Frank Rasche 5751 Hollywood Blvd., Los Angeles.

Plans Being Prepared.
APARTMENTS & GARAGE Cost, $——
COLUSA, Colusa Co., Cal. SW Jay and Fifth Streets.
Two-story tapestry brick garage and (6) apartments.
Owner—O. N. Critchfield, Chandler Car Representative, Colusa, Cal.
Architect—Not Given.

### BANKS

Plans Being Prepared. Ready for Figures in Two Weeks.
BANK, STORE, ETC. Cost, $40,000
CAMPBELL, Santa Clara Co., Cal.
One-story reinforced concrete bank, store and motion picture theatre (3 stores).
Owner—Growers National Bank.
Architects—Wolf & Higgins, Auzerais Bldg., San Jose.

Working Drawings Being Prepared.
BANK BLDG. Cost, $——
RED BLUFF, Tehama Co., Cal.
One-story fireproof bank building.
Owner—Red Bluff National Bank.
Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

Working Drawings Being Prepared.
BANK COST, $——
CHICO, Butte Co., Cal.
One-story fireproof bank building.
Owner—First National Bank of Chico.
Architect—Frederick H. Meyer, Bankers' Invst. Bldg., San Francisco.

Plans Being Figured.
BANK BUILDING Cost, $75,000
SANTA ROSA, Sonoma Co., Cal.
One-story reinforced concrete and terra cotta bank building.
Owner—Santa Rosa National Bank.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Figures are being taken for a general contract.

Contract Awarded.
ALTER AND ADD. Cost, $87,800
LOS ANGELES. NW 7th St. and Grand Avenue.
Alter and add to two-story brick bank building.
Owner—Security Trust and Savings Bank.
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.
Contractor—Geo. M. Easton, 436 W 30th St., Los Angeles.
The plumbing, wiring, heating, marble work, elevators and inferior finish will be let separately.

Plans Being Prepared.
BANK FIXTURES Cost, $——
SAN FRANCISCO. California Street.
New mahogany bank fixtures, etc
Owner—Park Union Foreign Banking Cptn., 520 California Street, San Francisco
Architect—Benj. G. McDougall, Alta Bldg., San Francisco.

### BONDS

TULARE, Tulare Co., Cal.—Bonds of $11,000 have been voted in the Buena Vista School District to finance the addition of two class rooms to the present building.

HOLLISTER, San Benito Co., Cal.—An election will be called in the near future to vote bonds for a new school building for the Cottonwood Section. Preliminaries for the election are now being undertaken by County Superintendent of Schools Cagney.

DINUBA, Tulare Co., Cal.—Bonds of $120,000 were voted at a recent election in the Dinuba High School District to finance the erection of a modern gymnasium, manual training and domestic science buildings, and for the equipment of additional class rooms to accommodate the constantly growing attendance.

DUNSMUIR, Siskiyou Co., Cal.—Additional high school bonds of $24,000 were voted at a recent election to finance construction of school improvements.

WILLOWS, Glenn Co., Cal.—Steps are being taken by the Trustees of the Jacinto School District to call an election to decide the question of issuing and selling bonds with which to finance construction of a school and community civic center combined.
The Jacinto District is eight miles northeast of Willows.

LINCOLN, Placer Co., Cal.—The City Trustees have sold the bonds of $30,000, voted last December to construct an auditorium in Lincoln.
Construction on the proposed structure is expected to start within sixty days.

AVALON, Los Angeles Co., Cal.—An election will be held March 9 to vote on issuing $70,000 bonds for constructing an outfall sewer and sewage disposal works. F. M. Tidball, City Clerk.

SOUTH PASADENA, Los Angeles Co., Cal.—An election will be held March 22 to vote on issuing $325,000 bonds to acquire a water system for the city. If the bonds carry the city will take over the plant of the Marengo Water Co. and those portions of the Pasadena municipal water system and Glendale Consolidated Water Co. lying in South Pasadena.

TURLOCK, Stanislaus Co., Cal.—The Turlock Irrigation District has voted in favor of issuing bonds of $4,000,000 with which to finance the Don Pedro project, including the construction of a dam reservoir, power plant and distributing system. The election carried by a vote of 15 to 1.
The money will be expended as follows

Proposition No. 1, calling for the expenditure of $2,570,000 by the Turlock district for the purpose of obtaining reservoir sites and the building of the Don Pedro dam.

Proposition No. 2, allowing the expenditure of $1,028,000 for the building of an electric power plant and for the distribution of the power generated.

Proposition No. 3, calling for $510,000 for building irrigation canals, drainage ditches and laterals for drainage purposes in the Turlock district.

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VALLEJO, Solano Co., Cal.—May 4th is the date set by the City Board of Education to vote bonds of $500,000 with which to finance the erection of a new high school and four elementary schools. A straw ballot taken by the Board of Education confirms statements that such an issue is favored.

Architect W. H. Weeks, 75 Post St. San Francisco, has submitted preliminary sketches for the structures.

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MODESTO, Stanislaus Co., Cal.—By a vote of approximately ten to one, the voters of the Modesto Irrigation District authorized the issuance of $2,000,000 in bonds for the carrying out of the Don Pedro project. One week ago the Turlock Irrigation District voted $4,000,000 to finance their part of the improvement.

The $6,000,000 voted by the two districts will be used for the construction of a dam and reservoir and for the development of electrical power at the dam.

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SELMA, Fresno Co., Cal.—City Attorney Smith is completing the necessary preliminaries for calling a bond election to decide the question of issuing and selling bonds of $65,000 to cover the cost of a new sewer line and construction of a septic tank.

## CHURCHES

Completing Plans.
CHURCH AND PARISH HOUSE Cost, $60,000 to $65,000.
CENTERVILLE, Alameda Co., Cal.
One-story reinforced concrete and hollow tile church and parish house.
Owner—Centerville Roman Catholic Parish. Rev. Souza is Pastor.
Architects—Shea & Minton, 244 Kearny St., San Francisco.
Plans will be ready for figures in about two weeks.

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Contract to be Awarded.
CHURCH Cost, $100,000
ALAMEDA, Alameda Co., Cal. No. 1931 San Antonio Avenue.
Reinforced concrete church (Mission style.)
Owned—St. Joseph's Catholic Church. (Rev. J. B. Praught, Pastor.)
Architects—W. D. Shea and Henry A. Minton, 244 Kearny St., San Francisco.
John J. Leonard, 180 Jessie St., San Francisco, submitted the lowest bid at $70,691, and will be awarded the contract on February 24th. This contract does not include plastering and interior finish.

## FACTORIES AND WAREHOUSES.

Plans to be Prepared.
OFFICE AND WAREHOUSE BLDG. Cost, $——
SAN JOSE, Santa Clara Co., Cal. San Pedro Street.
Two-story reinforced concrete office and warehouse building.
Owner—The San Jose Paper Co., 161 W-Santa Clara St., San Jose.
Architect—Not Selected.

---

Contract Awarded.
DEHYDRATION PLANT Cost, $20,000
WATSONVILLE, Santa Cruz Co., Cal.
Fireproof dehydration plant.
Owner—Corralitos Fruit Growers' Association, Watsonville, Cal.
Designers & Contractors—Fresno Dehydrating Products Co., Fresno.
Officers of the Corralitos Fruit Growers' Association are; President, F. L. Selleck; vice-president, C. O. Silliman; secretary, H. L. Chapman, and manager, H. D. Davis.

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Contract Awarded.
SLAUGHTER HOUSE Cost, $10,000 to $15,000.
REDWOOD CITY, San Mateo Co., Cal. On Thomas Hind Ppty. North of Cordilleras Creek.
One-story frame and concrete slaughter house, correls, refrigerating plant, etc.
Owner—H. L. Williams, 201 Heller St. Redwood City.
Architect—None.
Contractor—C. M. Jackson, Redwood City.

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Plans Being Figured.
BOILER HOUSE Cost, $——
SACRAMENTO, Cal. Sixth and "G" Streets.
One-story brick and concrete boiler house.
Owner—California Packing Cptn., 101 California St., San Francisco.
Engineer—Philip Bush, 101 California St., San Francisco.

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Plans Being Prepared.
WAREHOUSE Cost, $——
SACRAMENTO, Cal. Sixth and "G" Streets.
Two-story brick warehouse.
Owner—California Packing Cptn., 101 California St., San Francisco.
Engineer—Philip Bush, 101 California St., San Francisco.

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Plans Being Prepared. Contract Awarded.
AUTOMOBILE STORAGE BLDG. Cost, $400,000.
LOS ANGELES, Cal. NE Fifth Street and Grand Avenue.
Eight-story reinforced concrete automobile storage building, 168x180.
Owner—Grand Central Garage Co.
Architects—Stanton, Reed & Hibbard, 632 Metropolitan Bldg., Los Angeles
Among the stockholders of the company are: J. T. Cooper, D. M. Baker, Metcalf & Ryan, George I. Cochran, W. H. Davis, Blankenhorn-Hunter-Dullin Co., Howard S. Dudley, Preston Hotchkiss, W. W. Beckett, O. Rey Rule, F. B. Schwentker, W. A. Jenkins, Claude A. Wayne, A. G. Hann, Blake Franklin and Lee A. Phillips. The company is capitalized at $500,000.

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Plans Being Figured by Selected Contractors.
FACTORY Cost, $——
PORTLAND, Ore. SW Eighteenth and Thurman Streets.
Three-story and basement concrete and heavy mill factory, 60x100.
Owner—Bergman Shoe Mfg. Co., Portland, Oregon.
Architects—Claussen & Claussen, Macleay Bldg., Portland.

Plans Being Completed.
WAREHOUSE Cost, $28,000
PORTLAND, Ore. NE East Second and Taylor Streets.
One-story brick warehouse.
Owner—Mrs. Geo. W. Simonds.
Architects—Houghtaling & Dougan, Elks' Club Bldg., Portland.

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To be Done by Day Labor.
PLANING MILL, ETC. Cost, $25,000
MERCED, Merced Co., Cal. Sixteenth and J Streets.
Reinforced concrete planing mill and offices, 88x100.
Owner & Designers—Cross Lumber Co., C. A. Brown, Manager, Merced.

---

Plans Being Figured.
WAREHOUSE, ETC. Cost, $150,000 to $200,000.
LOS ANGELES, Cal. SW Seventh and Mill Streets.
Seven-story Class "A" reinforced concrete warehouse, office and packing building, 100x150.
Owner—California Walnut Growers Association.
Architect—A. C. Martin, 430 Higgins Bldg., Los Angeles.

---

Contract Awarded.
WAREHOUSE Cost, $19,500
SAN JOSE, Santa Clara Co., Cal. North Market St. bet. St. John and St. James Streets, running through to San Pedro.
One-story reinforced concrete warehouse, 80x200.
Owner—The Delmas Paper Co.
Architect—Louis Theo. Lenzen, 110 S-Second St., San Jose.
Contractor—E. Nommensen, 134 S-8th St., San Jose.

## FIRE HOUSES AND JAILS.

Working Drawings Being Completed.
FIRE HOUSE Cost, $12,000
FRESNO, Fresno Co., Cal. South G St.
Two-story (residential type) brick, wood and stucco fire house, 32x58.
Owner—City of Fresno. Chas. Dillon, City Clerk.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
The structure will be of brick construction from the street to second floor line; will have asbestos shingle roof, bed and shower rooms, offices, etc.

## FLATS.

To be Done by Days Work.
FRAMES FLATS Cost, $——
SAN FRANCISCO. Eighth Avenue and Lincoln Way.
Two-story frame (4 4-room) flats.
Owner—Karl Holmgren, 5508 Sacramento St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg. San Francisco.

## GARAGES

Plans Being Prepared. Ready for Figures Next Week.
GARAGE Cost, $20,000
SAN JOSE, Santa Clara Co., Cal. South First Street.
One-story brick garage.
Owner—Curtner & Wright.
Architects—Wolf & Higgins, Auzerais Bldg., San Jose.

Figures will be taken for a general contract.

Plans Being Prepared.
REPAIR SHOP Cost, $——
SAN FRANCISCO. S Hayes Street bet. Franklin and Gough Streets.
One-story brick and concrete repair shop.
Owner—McClure Estate.
Architect—Fred'k. H. Meyer, Bankers Investment Bldg., San Francisco.

Low Bidder.
GARAGE Cost, $28,000
TURLOCK, Stanislaus Co., Cal.
One-story brick garage.
Owner—Dr. Geo. A. Hodges, Turlock.
Architect—J. J. Rankin, 1st National Bank Bldg., San Francisco.
John Knapp of Turlock submitted the lowest bid and will probably be awarded the contract.

Completing Plans.
GARAGE Cost, $8,000
SAN FRANCISCO. Miramar Ave., Westwood Park.
One-story frame bungalow, 6 rooms and basement garage.
Owner—Bauer & Quinn, 2506 23rd Ave., San Francisco.
Architect—Mis Ida McCain, 318 Kearny Street, San Francisco.

Contact Awarded. To Take Sub-Figures.
GARAGE Cost $20,000 approximately
SAN FRANCISCO. S Sacramento 165 E Spruce Street.
One-story and basement reinforced concrete garage.
Owner—Jas. Hutton.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Contractor—American Concrete Co., Humboldt Bank Bldg., San Francisco.
Sub-figures will be taken in about ten days.

Plans Being Figured.
STOP AND GARAGE Cost, $——
SAN FRANCISCO. Howard and Lincoln streets.
One-story brick or concrete blacksmith shop and garage, 27x100.
Owner—Name withheld, 30 Rausch St., Apt. 3, San Francisco.
The owner wishes contractors to call in the evening.

Contract Awarded.
SERVICE STATION Cost, $9,000
SANTA CLARA, Santa Clara Co., Cal.
One-story brick service station building
Owner—V. Scheller.
Lessee—Willard Storage Battery Co.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—Morrison Bros., Santa Clara.

Plans Being Figured. Bids Close Mar 1, 1920, 12, Noon.
MACHINE SHOP Cost, $——
RENO, Nevada.
Corrugated iron machine shop building.
Owner—State of Nevada Highway Commission.
Architect—De Longchamp, Gazette Bldg., Reno, Nevada.
Bids will be received at the office of C. C. Cottrell, State Highway Engineer, Carson City Nevada.
Drawings and specifications may be secured at the office of State Architect Reno, Nevada. A deposit of $10.00 will be required.

To be Done by Days Work.
MACHINE SHOP Cost, $8,000
SAN FRANCISCO. S Mission 125 W Eighth Street.
One-story concrete machine shop.
Owner—C. C. W. Haun, 180 Jessie St., San Francisco.
Architect—E. E. Young, 251 Kearny St., San Francisco.

## GOVERNMENT WORK AND SUPPLIES

Plans Being Prepared.
CLUB HOUSE, ETC. Cost, $20,000
YOSEMITE PARK, Cal. Yosemite National Park.
Two-story frame and rustic club house and dormitory building.
Owner—U. S. Government.
Architect—Chas. Sumner, 57 Post St. San Francisco.
NOTE:—Work will be done by the Government force.

The following firms have secured plans and specifications from the bureau of yards and docks, Navy Department:

**San Diego, Calif., Distribution Systems and Power Plant Equipment; Estimated. $150,000; Deposit $10; Opened March 3; Specification 4118.**

General Heating and Ventilating Co. 198 Milwaukee St., Milwaukee, Wis.
John W. Danforth Co., 70 Ellicott St. Buffalo, N. Y.
Almiral & Co., (Inc.), 1 Dominick St., New York City.
Whitlock Coil Pipe Co., Hartford Conn.
General Electric Co., Schenectady, N. Y.
Austin Heating Co., 121 W. 42nd St. New York City.
Carleton-Mace Engineering Co., 18 Tremont St., Boston, Mass.
James S. Merritt, 1010 Harrison Bldg. Philadelphia, Pa.
Harrison Safety Boiler Works, Philadelphia, Pa.
Stewart Engineering Corporation, 61 Broadway, New York City.
Thompson Bros., 123 Nort 5th St., Philadelphia, Pa.
S. H. Wheeler Manufacturing Co. Lehigh and Sedgley Aves., Philadelphia, Pa.
Chas. C. Moore, Sheldon Bldg., San Francisco.
G. E. Engineering Co., Inc., Laight and Varrick Sts., New York City.
Lang & Bergstrom, Sharon Bldg., San Francisco, Calif.
Westinghouse Electric & Manufacturing Co., Washington, D. C.
Ridgeway Dynamo & Engineering Co., 38 West 32d St., New York City.
Link Belt Co., Nicetown, Philadelphia, Pa.
Standard Water System Co., Hampton, N. J.
H. W. Johns-Manville Co., Madison Ave., and 41st St., New York City.
American District Steam Co., North Tonawanda, N. Y.
James S. Merritt, Harrison Bldg. Philadelphia, Pa.

**San Diego, Calif., Lighting Fixtures; Estimate, $9,000; Deposit, $10; Opened March 3, 1920; Specification 4129.**

The Simes Co., 22-26 West 15th St., New York City.
General Electric Co., 312 High Ave., Cleveland, Ohio.
F. Storsberg Co., 20 Atlantic St., Newark, N. J.

**San Diego, Calif., Storehouse and Three Hangars; Estimate, $100,000; Deposit, $10; Opened March 3; Specification 4087.**

Pittsburgh-Des Moines Steel Co., Des Moines, Iowa.
Crane Co., Washington, D. C.

Navy Department, Bureau of Supplies and Accounts, Washington, D. C. —Sealed bids will be received here for furnishing supplies under schedules as follows:

Schedule 5568, for Puget Sound, 4,500 gallons spar varnish, 840 gallons asphaltum varnish, 2,000 gallons damar varnish, opening February 27.

Schedule 5569, for Puget Sound, 14,050 paint cans, opening February 27.

Schedule 5570, for Puget Sound, 12,500 lbs. yellow ochre in oil, 9,000 lbs. dry Indian red and 10,000 lbs. dry venetian red, opening February 27.

Schedule 5571, for Puget Sound, 6,300 lbs. lime, opening February 27.

Schedule 5572, for Puget Sound, 3 drill presses, opening February 27.

Schedule 5577, for Puget Sound, bolts, nuts and washers, opening February 27

Schedule 5579, for Mare Island, 3,000 pounds copper sheathing nails, opening February 27.

Scvhedule 5580, eastern and western yards, 6 precision lathes and 3 milling machines, opening March 2.

Schedule 5581, for Mare Island, 75 storage batteries, opening February 27.

Schedule 5582, for Mare Island, 3,186 lbs. copper wire, opening February 27.

Schedule 5591, eastern and western yards, steel rivets, opening March 5.

Schedule 5593, for Puget Sound, 3 cylinder boring machines, opening March 2.

Schedule 5598, for Puget Sound, sheet brass, opening February 27.

Schedule 5601, for Mare Island, 1 internal combustion engine, opening March 2.

Schedule 5606, for eastern and western yards, steel pipe, opening March 12.

Schedule 5609, for eastern and western yards, sheaves and sheave pins, opening March 5.

Schedule 5614, for Mare Island, 200 insulators, opening March 5.

Sealed proposals will be received at the office of the general purchasing agent, Alaskan Engineering Commission, Seattle, Wash., not later than May 3, 1920, for furnishing and erecting in Alaska of one steel superstructure for Hurricane Gulch bridge as per specifications. Copies of this circular may be obtained upon application at this office or from Alaskan Engineering Commission, 102 Custom House, Portland, Ore.; Alaskan Engineering Commission, 307 Custom House, San Francisco, Calif.; U. S. Reclamation Service, 505 Tramway Building, Denver, Colo.; superintendent of warehouse, Indian Service, 308 South Green St., Chicago, Ill.; Bureau of Mines, 4800 Forbes Street, Pittsburg, Pa., and Alaskan Engineering Commission, Department of the Interior, Washington, D. C. C. E. DOLE General Purchasing Agent.

SAN FRANCISCO.—Bids will be received by the U. S. Engineer Office, 240 Montgomery Street, up to March 15th

Figures are being taken for segregated contracts.

Plans may be obtained from Mr. Week's office or from the Clerk of the Board.

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Commissioned to Prepare Plans.
SCHOOL BLDGS. Cost, $150,000
VENTURA, Ventura Co., Cal.
Three fireproof grammar school buildings.
Owner—City of Ventura.
Architect—A. C. Martin, 430 Higgins Bldg., Los Angeles.
An election to vote bonds will be called at an early date.

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Plans Being Prepared.
SCHOOL, ETC. Cost, $——
LOS ANGELES, Cal. NE Seventh and Catalina Streets.
Two-story eight-room hollow tile school and parsonage and hollow tile church.
Owner—Roman Catholic Bishop of Monterey and Los Angeles. Rev. Wm. Hughes, Rector.
Architect—A. C. Martin, 430 Higgins Bldg., Los Angeles.

## STORES AND OFFICES

Preliminary Plans Approved.
STORE AND OFFICE BLDG. Cost, $75,000 to $80,000
SALINAS, Monterey Co., Cal.
Two-story reinforced concrete store and office building.
Owner—Farmers Mercantile Co.
Architects—Ralph Wyckoff and H. C White, 328½ Main St., Salinas.

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Plans Being Figured.
ALTERATIONS Cost, $——
SAN JOSE, Santa Clara Co., Cal. South First Street.
Alterations to brick stores.
Owner—Thomas Novelty Co.
Architect—Louis Theo. Lenzen, 110 S-Second St., San Jose.

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Plans Being Prepared.
OFFICES AND LOFTS Cost, $——
SAN FRANCISCO. N Sacramento St. through to Commercial, also facing on Leidesdorff St.
Five-story and basement reinforced concrete building (offices and lofts for printing and commercial companies).
Owner—Edw. Barry Co., 215 Leidesdorff St., San Francisco.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

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Plans Being Prepared.
STORES AND OFFICES Cost, $20,000
SAN FRANCISCO. SE Montgomery and Commercial Streets.
Two-story Class 'C" stores and offices.
Owner—Max Kolander & W. F. Blasse.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.

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Steel Contract Awarded.
OFFICE BLDG. Cost, $1,000,000 approximately.
SAN FRANCISCO. Pine and Montgomery Sts. (Old Nevada Block Property).
Fifteen-story Class "A" office building
Owner—Commercial Union Assurance and The California Fire Insuranc Company.
Architects —Geo. W. Kelham and Kenneth MacDonald Jr., Associated Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.
The steel contract has been awarded to The Pacific Rolling Mills Co., 17th and Mississippi streets, for approximately $275,000.

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Plans Being Prepared.
OFFICE BLDG. Cost, $250,000
PHOENIX, Ariz. Washington Street and Third Avenue.
Four-story reinforced concrete and hollow tile office building, 130x123
Owner—Chas. Korrick.
Architect—L. M. Fitzhugh, Story Bldg. Los Angeles.

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Working Plans Being Prepared.
ALTERATIONS Cost, $100,000
MODESTO, Stanislaus Co., Cal. SE Tenth and "I" Streets.
Extensive alterations to three-story brick bank and office building, remodel interior of offices, install new banking quarters in first floor.
Owner—The Modesto Bank, 1001 "I" St., Modesto.
Architect—H. H. Winner, Nevada Bank Bldg., San Francisco.
Plans will be ready for figures in three or four weeks.

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Contract Awarded.
ALTERATIONS Cost, $——
SAN FRANCISCO. SE Geary and Mason.
Interior and exterior alterations for store—glazing, marble, tile and brick work, new fixtures, etc.
Owner—Murphy Estate, San Francisco.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.
Contractor—Thos. F. Mulcahy, 180 Jessie St., San Francisco.

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Contract Awarded on a Percentage Basis.
AUTO SALES BLDG. Cost, $200,000
SAN FRANCISCO. SW Van Ness Ave and McAllister St.
Four-story reinforced concrete auto sales building, 120x219-9, with a two-story wing.
Owner—Pioneer Motor Co.
Architect—S. Hieman, 57 Post St., San Francisco.
Contractor—Clinton Constr. Co., 140 Townsend St., San Francisco.

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Plans Being Figured.
STORE Cost, $30,000
PORTLAND, Ore. NW Tenth and Stark Streets.
One-story brick store, 108x124.
Owner—Pittock Estate.
Architects—Houghtaling & Dougan, Elks' Club Bldg., Portland.

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Plans Being Prepared.
BANK & OFFICE BLDG. Cost, $——
LOS ANGELES, Cal. Hollywood Blvd and Cahuenga Avenue.
Three-story and basement brick and concrete bank and office building 94x105.
Owner—Security Trust & Savings Bank
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

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Low Bidder.
STORE BUILDING Cost, $20,000
SAN JOSE, Santa Clara Co., Cal. Second St. bet. Santa Clara and San Fernando Sts.
One-story brick store building (3 stores).
Owner—Wm. Halla.
Architect—Louis Theo. Lenzen, 110 S-Second St., San Jose.
Low Bidder—Al. House, 130 S-Market St., San Jose.

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Plans Ready for Figures.
STORE & OFFICES Cost, $125,000
SAN FRANCISCO. NE Battery and Halleck Streets.
Two-story and basement Class "C" stores and offices.
Owner—McDermott Estate.
Architect—Benj. C. McDougall, 381 Bush St., San Francisco.
NOTE:—Figures will be taken for a general contract except the piling which will be under a separate contract.

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Plans Being Figured.
MARKET BLDG. Cost, $40,000
SAN FRANCISCO. N Clay Street near Sansome.
Two-story and basement reinforced concrete wholesale meat market building, 44x120.
Owner—Isabella M. Cowell.
Lessee—Baumgarten Bros., 1495 Ellis St., San Francisco.
Architect—Henry H. Meyers. Kohl Bldg., San Francisco.
Figures will be taken for a general contract.

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Plans Being Figured.
ALTERATIONS Cost, $——
SAN JOSE, Santa Clara Co., Cal. No. 255 South First St.
Alter and add to restaurant.
Owner—Del Monte Restaurant, Prem
Architect—Louis Theo. Lenzen, 110 S-Second St., San Jose.

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SAN FRANCISCO, Cal.—The P. J. Walker Co., Monadnock Bldg., have been instructed to increase the height of the Balfour-Guthrie building from 12 stories to 15. The building will be located on the SE corner of Sansome and California streets. Plans were prepared by Architect Geo. W. Kelham, Sharon Bldg.

## THEATRES

Plans Being Prepared.
THEATRE, ETC. Cost, $2,000,000
LOS ANGELES, Cal.—NE Sixth and Hill Streets.
Class "A" Grauman theatre, store and office building, 240x154 (4000 seats)
Owner—Hill Street Fireproof Bldg. Co.
Architect—Edwin Bergstrom, 1129 Citizens Nat'l. Bank Bldg., Los Angeles.

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Plans Being Prepared.
THEATRE AND STORE BUILDING Cost, $40,000
TORRANCE, Los Angeles Co., Cal.
Hollow tile motion picture theatre and store building, 60x130 (2 stores), 800 seats.
Owner—Torrance Auditorium Co., Inc.
Architect—A. E. Sedgwick, 1010 Garland Bldg., Los Angels.

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Plans Being Prepared.
THEATRE, ETC. Cost, $90,000
PENDLETON, Oregon.
Two-story brick and concrete theatre, stores and offices, 100x100.
Owner—Pendleton Amusement Co., Pendleton, Oregon.
Engineers—Rasmussen-Grace Co., Bates Dock Bldg., Portland, Ore.

# ENGINEERING

## BRIDGES, DAMS & HARBOR WORK

SAN FRANCISCO—The following bids were received February 19th, and a contract awarded, by the State Board of Harbor Commissioners for furnishing materials and constructing bulkhead wharf in front of Pier 27, connecting the existing bulkhead wharves at Piers No. 25 and No. 29, and constructing a creosote pile connecting wharf betwen Piers Nos. 25 and 27:

| | |
|---|---|
| Hannah Bros. | $41,900 |
| S. F. Bridge Co. | 46,750 |
| Tibbitts Pacific Co. | 53,900 |
| Healy Tibbitts Constr. Co. | 38,717 |
| A. W. Kitchen & Co. | 41,770 |
| Clinton Constr. Co. | 42,950 |

Contract awarded to Healy Tibbitts Constr. Co., for $38,717 and bond fixed at 50% as usual.

PHOENIX, Ariz.—Midland Bridge Co. of Kansas City, Mo., was awarded the contract for constructing a 60-ft. steel span bridge with concrete floor and concrete abutments across railroad wash near Duncan on the Clifton-Franklin highway in Greenlee County. The company submitted a bid at $35,600 on plans and specifications and an alternate bid at $37,173 but it has not been determined which will be accepted. Other bids were: Whalley Lumber Co., Globe, $44,444; Paul Michaelson, Globe, $52,239; Allied Constructors, Inc., Omaha, Neb., $37,846; according to specifications as advertised and alternative bids—B; $39,946; C, $46,546; D. $53,862; El Paso Bridge & Iron Co., $45,600 with alternative bid of $4,214.

SANTA ROSA, Sonoma Co., Cal.—Bids for the construction of reinforced concrete bridges on the Sonoma-Petaluma, Sections A and B were opened at the last meeting of the County Supervisors and contracts awarded as follows:

| | |
|---|---|
| Cali Conatr. Co., Section A | $4,627.00 |
| John Rocca, Novato, Section B | 8,298.86 |

W. W. Felt Jr., is County Clerk.

SANTA ROSA, Sonoma Co., Cal.—The County Engineer, W. W. Felt Jr., County Clerk, has been instructed to prepare plans and specifications for a bridge over the Russian River at Markhams and for a 20-foot reinforced concrete culvert over Houx Creek near Houx station on the Two Rock branch of the Petaluma and Santa Rosa Railroad.

RED BLUFF, Tehama Co., Cal.—Word has been received from the State Highway Commission informing the Supervisors that it has no objection to the construction of the proposed Brewery bridge at the northern limits of Red Bluff, to a location farther up the creek and westerly from the present bridge.

H. G. Kuhn is County Clerk.

RENO, Nevada.—The City Council has taken under advisement the recommendation of Councilman C. H. Duborg Chafrman of the Bridge Committee, to construct a bridge at the extension of West street connecting the North bank of the Truckee river with Wingfield Park and another connecting the opposite side of the park with the extension of Belmont road.

Duborg estimates the bridge connecting the park with the North bank of the river will be about 100 feet long and that it will cost about $30,000. The other bridge will be shorter, about seventy-five feet in length.

Both structures will be of reinforced concrete construction.

WOODLAND, Yolo Co., Cal.—At a meeting of the Supervisors Frank B. Edson urged that the Yolo Board confer with the Sacramento County Board immediately relative to the building of a bridge across the Sacramento River at Elkhorn, the bridge to be financed jointly by the two counties.

RED BLUFF, Tehama Co., Cal.—Bids received by the County Supervisors, H. G. Kuhn, County Clerk, for the construction of the Singer Creek bridge have been rejected, being $2,000 over the amount provided in the bond issue. The low bid was submitted by Boardwell & Zimmerman at $18,000. It is probable that plans will be revised and new bids called.

RED BLUFF, Tehama Co., Cal.—C. E. McCartney, Red Bluff, has been awarded a contract by the County Supervisors for the construction of the Dry Creek bridge near Courtland Park at $11,485. Other bids were: Cotton Macauley Co., San Francisco, $15,472; Hart Construction Co., $13,480, and Ross Construction Co., $15,295.

Bids received for the construction of the Singer Creek bridge were: Ross Construction Co., $18,720; Hart Construction Co., $18,250; Bordwell & Zimmerman, $18,000 and Cotton Macauley, $19,386. The bids were considered too high and the matter of awarding a contract was deferred until a report from the Advisory Committee was received.

H. G. Kuhn is County Clerk.

EUREKA, Humboldt Co., Cal.—Bids will be received by Fred M. Kay, County Clerk, up to March 9th, 2 P. M., for the construction of reinforced concrete approaches to the highway bridge across Eel River at Fernbridge.

Plans may be seen at the office of the County Clerk.

## IRRIGATION PROJECTS

MARYSVILLE, Yuba Co., Cal.—Representatives of the Hallwood, Honcut, Yuba and Cordua Irrigation Districts met here recently to formulate preliminary plans for the perfection of a proper drainage system for the benefit of the farmers in these districts. Preliminary plans by engineers were submitted.

These engineers estimated that the installation of a proper drainage system will cost between $40,000 and $50,000. This was considered too expensive and some other means of perfecting a drainage system at less cost will be devised by the engineers and a report made to the individual irrigation districts. Under the plan it was decided to drain the water into Nigger Jack Slough. Richard Belcher, who is a property owner of Hallwood, preaided at the meeting.

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

MADERA, Madera Co., Cal.—Several applications for the appointment of Chief Engineer are being considered by the Directors of the Madera Irrigation District. A selection was discussed at the last meeting of the Directors, but no action taken.

OAKDALE, Stanislaus Co., Cal.—Burton Smith, Chief Engineer of the Oakdale Irrigation District, at the last meeting submitted estimates of cost for constructing the Melones Reservoir and enlarging the south side main. Smith estimates construction at $1,750,000.

The cost of the Melones dam is given as $1,606,000 and of enlarging the South Main as $144,000. The estimates have been forwarded to the State Engineer's office for approval.

In addition to the above work Engineer Smith has been instructed to prepare estimates of cost for rebuilding the long flume through the Willms place. The directors plan to replace the present flume with one of concrete construction or a siphon. Estimates on this construction will be submitted.

MERCED, Merced Co., Cal.—Steps are being taken for the formation of an irrigation district in the vicinity of Stevinson. The proposed district will comprise between 7,000 and 10,000 acres and will be formed under the Wright Act. The following committee has been appointed to gather statistics, etc., for discussion at a later meeting:

H. F. Bose, C. C. Morse, M. A. Wright, J. W. Dunlap, Leslie Bruce, H. R. Livingstone, J. A. Blow and George Knott.

MODESTO, Stanislaus Co., Cal.—Chief Engineer Percy Jones, of the Modesto Irrigation District, has awarded a contract to W. H. Webb, 602 15th St. Modesto, for lining 2,000 lineal feet in Lateral No. 1, known as the Davison Fill at 7¾ cents per square foot, the contractor to furnish all equipment, labor and material, except cement,

which will be furnished by the district, and another to O. H. Halverson for hauling sand and cement for lining the Hazen Fill on Lateral No. 4, at $2.50 per ton for 35 tons of cement, and $5.50 per cubic yard for 150 cubic yards of sand. The total contract for hauling sand and cement amounts to $912.50.

CALEXICO, Imperial Co., Cal.—Only one inquiry was received regarding the construction of a reinforced concrete head gate in the Cerro Prieto canal and the work will probably be done by force account. Allison & Entenmann Calexico, are the engineers.

## SEWERS, STREET WORK & WATER SYSTEMS

RENO, Nevada.—Bids will be received until March 8, 1920, by J. E Sullivan, City Clerk of Reno, for the following work:

Bid No. 1—103,135 square feet cement concrete walks; 7,440 lineal feet cement concrete curb and gutter; 810 lineal feet cement concrete gutter.

Bid No. 2—31,540 square feet cement concrete walks; 13,212 lineal feet of cement concrete curb and gutter.

OROVILLE, Butte Co., Cal.—Bids will be received by C. F. Belding, County Clerk, until March 1, 1920, at 1:35 P. M., for the construction of certain road work on the Evans-Reimers road, near Gridley.

HOLTVILLE, Imperial Co., Cal.—Geo. R. Daley of San Diego, was awarded the contract at $13,516 for paving city streets under resolution No. 198. Action on bids for paving under resolution 106 and 107 was postponed until Feb. 18. George H. Oswald of Los Angeles, was low bidder on both these projects.

MANHATTAN BEACH, Los Angeles Co., Cal.—All bids received Feb. 3rd for relaying and recaulking about 10 miles of city water mains were rejected and the city trustees engaged Mr. Darrow of The Foundation Co. on a salary to take charge of the work under the City's supervision.

AUBURN, Placer Co., Cal.—The City Trustees, Mary H. Wallace, City Clerk has passed resolution of intention No 14, providing for the construction of cement concrete sidewalks in the south side of Lincoln Way (formerly Railroad street) between Cherry avenue and Highland street.

NAPA, Napa Co., Cal.—The County Engineer has been instructed to prepare specifications for the setting up of the large rock crusher owned by the county. James A. Daley is County Clerk.

VALLEJO, Solano Co., Cal.—According to City Engineer T. D. Kilkenny the cost for paving the aproaches to the causeway, Georgia and Virginia street wharves as well as repairing the pethrolitic streets in North Vallejo and repaving some of the thoroughfares in South Vallejo is estimated at $265,000.

Alf E. Edgecumbe is City Clerk.

VALLEJO, Solano Co., Cal.—The City Council, Alf E. Edgecumbe, City Clerk is seeking a right of way for a main sewer line through the old Northern Electric cut from Mississippi to Butte street and from Butte street to the waterfront through Tideland Survey No. 22, the property of the railroad company.

T. D. Kilkenny is City Engineer.

CHICO, Butte Co., Cal.—Plans to install an adequate sewer system in the Chico Vecino District, in addition to sidewalk and curb construction, will be discussed by the property owners in that district with the City Trustees at the next meeting. A request to have the City Engineer to prepare plans for the work will be offered.

OROVILLE, Butte Co., Cal.—Bids will be received by the County Supervisors C. F. Belding, County Clerk, up to March 1st, 1:30 P. M., for certain road work on the Clark road and the Pearson Cross Road near Paradise. On the same day bids will be received on 2½ miles of roads near the Manzanita school, in the Gridley District.

Certified check of 10% must accompany each bid.

RIVERSIDE, Riverside Co., Cal.—The City Council has accepted the city's bid at $32,363.03 for paving Magnolia avenue. About 1 mile of roadway will be paved with oil macadam. The city has a right to bid on street paving under a provision of the City Charter, according to the City Attorney, who held the bid to be legal.

BRAWLEY, Imperial Co., Cal.—Construction work on the new San Diego-Imperial County road is under way, Supervisor W. F. Beal has charge of the work. A portion of the road in San Diego County will be oiled and material and equipment for this will be secured in Imperial County. Nearly $50,000 is available and another drive for funds will be made if more money is needed.

BRAWLEY, Imperial Co., Cal.—David H. Ryan of East San Diego, submitted the lowest bid and was awarded the contract for paving East and West Main street and portions of other streets. His bid was $133,908.99 based on the following approximate quantities: 294,888 sq. ft. 6-in. cement concrete plain top paving, 80,000 sq. ft. 7-in. concrete pavement, 27,514 sq. ft. cement sidewalk, 14,302 lin. ft. Class A cement curb and 17 standard catchbasins with sewer line connections. His bid was accepted at the following unit prices: 230,126 sq. ft. paving at 29.4c ft.; 64,662 sq. ft. paving at 30.8c; 87,000 sq. ft. paving at 33.8c; sidewalk at 18.5c sq. ft.; curb at 62c lin. ft., and catchbasins at $167 each. Other bids received were: Geo. R. Daley, San Diego, $136,838.95; John Engebretsen San Diego, $147,160.53; Geo. H. Oswald Los Angels, $152,251.08, and H. A. Daae $175,066.54; G. R. Wade, City Engineer

SACRAMENTO, Cal.—The State Highway Commission has decided to construct 8.3 miles of State highway in Imperial County between Gravel Wash and the south boundry by day work.

SAN FRANCISCO—Bids will be received by the Board of Public Works up to March 10th for the construction of a boardwalk along the Great Highway from Sloat Boulevard to the present Esplanade. City Engineer M. M O'Shaughnessy estimates the work to cost $116,000.

MODESTO, Stanislaus Co., Cal.—Bids will be received by H. Benson, County Clerk, up to February 27th, 10 A. M., for the placing of a "Bitucrete Wearing Surface" on aproximately 5 miles of concrete road from Modesto City limits to the railroad track at Empire and known as the Waterford road, said road being 10 feet in width; also the placing of a "Bitucrete Wearing Surface" on approximately 5 miles of concrete road, starting 3½ miles west of the city limits of Turlock and running west 4 miles to the Crows Landing road to the Mountain View School House. Thence south on the Crows Landing Road aproximately 1 mile

Certified check of 10% must accompany each bid. Plans may be seen at the office of the County Surveyor at Modesto.

OAKLAND, Cal.—The City Council has adopted plans and passed resolutions providing for the improvement of the following streets:

East 30th street from 21st to 23rd avenues by grading, construction of concrete curbs and gutters, paving with oil macadam, corrugated iron and concrete culverts.

North half of Sixth street from Jefferson easterly by grading, constructing concrete curbs and brick gutters and paving with asphalt.

Ninth street from Clay to Jefferson streets by grading, constructing concrete curbs and brick gutters and paving with asphalt.

L. W. Cummings is City Clerk.

BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has appropriated $1,500 to finance the grading of the northerly half of the James Kenny Park.

HANFORD, Kings Co., Cal.—The City Trustees have granted a petition of property owners asking the construtcion of cement concrete sidewalks fronting two blocks in West Seventh street, west of the Santa Fe Railway, being the north side of Blocks 110 and 111 and the south side of blocks 139 and 140. D. C. Williams is City Clerk.

FRESNO, Fresno Co., Cal.—Bids will be received by the County Supervisors, Chris P. Jensen, County Highway Engineer, up to March 12th, 2 P. M., for the construction of Highway Route 22, Section "A" and Route 23, Section "A" of the County Highway system.

D. M. Barnwell is County Clerk.

BRAWLEY, Imperial Co., Cal.—David H. Ryan, of East San Diego, was the lowest bidder for paving East and West Main streets, and portions of other streets; bids opened February 9. Bids were also submitted by Geo. H. Oswald of Los Angeles, and Geo. Daley of San Diego.

PETALUMA, Sonoma Co., Cal.—Rights of way for the construction of a sewer in Cherry Lane are being secured by the City Council.

Lyman S. Green is City Clerk.

NAPA, Napa Co., Cal.—At the last meeting of the City Council the contract for furnishing the city with asphaltum was awarded to the Standard Oil Co., at a price of $13 per net ton.

RICHMOND, Contra Costa Co., Cal.—At the last meeting of the City Council, no protest being filed against the improvement of certain portion of Lucas avenue, a resolution was adopted ordering the work done by the City Enbineer. About 800 feet of the street will be paved.

A. C. Faris is City Clerk.

SAN JOSE, Santa Clara Co., Cal.—J. F. Adams, 621 Home street, San Jose, at the last meeting of the County Supervisors, was awarded the contract for the improvement of Cahalan avenue in road district No. 4, he being low bidder at $1,800. Other bids were: Harry Johnson, $2,050; Raisch Improvement Company, $2440; O. H. Ellison, $3,000.

The engineer's estimate was $1,980.

RICHMOND, Contra Costa Co., Cal.—Bids will be received up to 8 P. M., March 1st by A. C. Faris, City Clerk, for the improvement of Eleventh street and Lucas avenue between the existing concrete pavement on Lucas avenue and the north line of Clinton avenue by grading and paving with a 5-inch cement concrete base and a wearing surface of asphalt and broken rock, construction of 560 feet of 6-inch sewer and re-setting of curbs, etc., in certain portions.

PETALUMA, Sonoma Co., Cal.—W. A. Dontonville, Acampo, Cal., at $51,357.35 has been awarded a contract by the City Council for the improvement of Main and Third streets, the city to furnish cement, crushed rock, sand and steel. The contract covers about 1.6 miles of paving. Other bids were:

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|---|---|
| Schlunegger Bros. | $60,018.90 |
| Wm. J. Taylor | 53,393.30 |

MILL VALLEY, Marin Co., Cal.—Owing to the absence of Town Engineer Oglesby, the Town Trustees at their last meeting, postponed discussion on the proposed street improvement program until the next session.

Before adjournment the Board ordered a survey for sewers in Magee avenue.

OAKLAND, Cal.—The City Council has passed a resolution of intention providing for the improvement of Twenty-first avenue from East 12th street to East 14th street by grading, constructing concrete curbs and gutters, paving with oil macadam and constructing two concrete valleys.

L. W. Cummings is City Clerk.

REDWOOD CITY, San Mateo Co., Cal.—J. M. Walter has been appointed an assistant engineer to County Surveyor George A. Kneese. Walter was in charge of the installation of the sewer system at Camp Fremont during the latter part of 1918, and for the past six months has been employed as an inspector by the City Engineer's Department in Redwood Cty.

PETALUMA, Sonoma Co., Cal.—The bids of the United Railroads of San Francisco for the purchase of approximately 400,000 basalt blocks at $15.00 per thousand has been rejected by the City Council and new bids have been ordered received.

Lyman S. Green is City Clerk.

MARTINEZ, Contra Costa Co., Cal.—On bids which were approximately $2000 under the estimates of City Engineer W. S. Farley the Federal Construction Co., Call Bldg., San Francisco, obtained the contracts for paving the Court and Pine street and Talbert street units of the city's building program. The bid on the Court-Pine street unit was $37,805.19 and on the Talbert street unit $58,432.37. The engineer's estimate on the former was $90,202.76 and on the latter $61,170.32. The nearest of four competitors on both jobs was James T. Sayles with bids of $92,298.93 and $60,677.65.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to Bates & Borland, Oakland Bank of Savings Bldg., Oakland, for the improvement of Short street between Brookdale and Allendale avenues by grading, constructing concrete curbs and gutters, cement sidewalks, concrete culverts, end wall and paving with oil macadam.

ALAMEDA, Alameda Co., Cal.—The City Council, R. E. Bosshard, City Clerk, has passed resolution of intention No. 270, providing for the improvement of San Jose avenue, between Morton and High streets, and Santa Clara avenue between Webster and Park streets, by constructing concrete curbs, where not already in place.

PETALUMA, Sonoma Co., Cal.—March 1st, 7 P. M., is the time set by the City Council for opening bids for furnishing and delivering 5,000 barrels of Portland cement (with option to purchase 4658 additional barrels) and for furnishing approximately 4800 tons required, more or less, of sand or fine aggregate for building of concrete streets to be delivered f. o. b. Northwestern Pacific Railroad depot, Petaluma, Cal., or River Wharf, Petaluma.

"Said fine aggregate shall consist of an approved material of silicious, granite or igneous origin hard, durable and free from mica or excess of 5 per cent by weight. It shall be free from oil or organic matter and must not contain more than 6 per cent by weight of clay, silt and other material passing a No. 100 Standard Sieve. It shall all pass a No. 4 Standard Sieve and at least 50 per cent, but not more than 85 per cent by weight shall be retained on a No. 30 Standard Sieve."

Further information may be had from Howe & Peters, Engineers, 24 California St., San Francisco.

Lyman Gren is City Clerk.

HANFORD, Kings Co., Cal.—The City Council, D. C. Williams, City Clerk, has passed resolution of intentions providing for the improvement of portions of Douty and Myrtle streets by grading, constructing cement concrete curbs and gutters and paving with a bituminous base 4-inches thick with a Warrenite-Bitulithic wearing surface.

REDWOOD CITY, San Mateo Co. Cal.—City Engineer Dimmitt at the last meeting of the City Trustees submitted estimates for the improvement of portions of Redwood, and Oak avenues and King and Gordon streets. The estimates were ordered filed for future reference.

W. A. Price is City Clerk.

COLUSA, Colusa Co., Cal.—The matter of improving Webster and Parkhill streets from the school house to the highway and Ninth street from Clay to Webster street will be considered by the City Trustees in the near future, according to Trustee Hicok.

B. L. McCue is City Clerk.

GRIDLEY, Butte Co., Cal.—Plans for Unit "C" of the Sanitary Sewer System for this city were approved at the last meeting of the City Trustees and a call for bids will be issued in the near future. The plans provide for the laying of a sewer from Magnolia to Spruce street in all the alleys between Indiana and Idaho streets.

OAKLAND, Cal.—The City Council L. W. Cummings, City Clerk, has voted to improve Madison street between Seventh and Twelfth streets and the City Engineer has been instructed to proceed with the necessary plans.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has adopted plans and passed resolutions of intention providing for the following improvements:

Boles avenue from east line of Trinity street to the southwest line of G street, and from south line of Divisadero street to southeast line of Boles avenue, and Sarah street from north line of California avenue to the south line of Hamilton avenue by grading, constructing cement concrete curbs, corrugated metal culverts and oiling between curb lines.

Construction of cement concrete sidewalks and curbs in both sides of C street from Amador to Fresno streets.

Construction of a 6-inch lateral sewer in block 388, from Yolo street ten feet therefrom, and the construction of Y's for each 25-foot frontage in that block.

Construction of 16-foot wide pavement in Whites Bridge avenue, from the west city limits to the east line of Tehama street, same to be of 4-inch cement concrete base and a Warrenite-Bitulithic wearing surface 1½ inches thick, and a 20-foot wide pavement in B street from the northwest line of Amador street to the northwest line of Fresno street, to be 4-inch cement concrete base with a wearing surface of Warrenite-Bitulithic 1½ inches thick, corrugated metal culverts and oil dirt shoulders.

Construction of a 20-foot wide pavement in center of street from south city limits at intersection of California and Elm avenues, north along the extension of Elm avenue to the intersection with "C" street, thence along "C" street to the intersection with San Benito avenue, thence along San Benito avenue to the southwest line of G street, pavement to be 4-inch cement concrete base with wearing surface 1¼ inches thick of Warrenite-Bitulithic; construction of corrugated metal culverts with manholes and oiled dirt shoulders.

Improvement of Vassar avenue from the west line of Maroa avenue to the east line of Wishon avenue, by grading, construction of concrete curbs, gutters and sidewalks and paving with asphalt concrete base 2½ inches thick with Warrenite-Bitulithic wearing surface 1½ inches thick.

Improvement of Divisadero street from the northeast line of "G" street to the southwest line of "H" street, and Roosevelt avenue, from the south line of Park Boulevard and "H" street to the Central Pacific Co.'s tracks, by grading, constructing cement concrete curbs and gutters, corrugated culverts with manholes and connections to storm sewer, laying cement concrete base 4 inches thick, with a Warrenite-Bitulithic wearing surface 1½ inches thick.

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BAKERSFIELD, Kern Co., Cal.—Until 5 P. M., March 1, bids will be received by City Clerk V. Van Riper for constructing 1270 ft. of 6-in. vitrified pipe sewer in the first alley south of 13th and 14th streets. Work will be done under Improvement Act of 1911.

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CHICO, Butte Co., Cal.—The City Engineer has completed plans for the paving of Broadway south of Ninth to South Fourth street, South Salem street from Little Chico creek to Calaveras streets, Fourth street from Main to Orient, Flume street from Third to Fifth street, and Second street from Salem to Chestnut.

Immediate action on the plans is expected of the Council. Ira R. Morrison is City Clerk.

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SACRAMENTO, Cal.—Plans for the installation of sewers in the South Curtis Oaks Tract were submitted to the City Council at its last meeting and approved.

The matter of improving Donner Way has been referred to Frank C. Miller, City Engineer, for report.

M. J. Desmond is City Clerk.

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CHICO, Butte Co., Cal.—Petitions are being circulated asking the Trustees to provide the construction of sidewalks in Eighth street between Flume and Orient streets.

Ira R. Morrison is City Clerk.

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SAN DIEGO, San Diego Co., Cal.—City Engineer Rhodes estimates the approximate quantities for improving Radio Drive from Imperial avenue to the radio station as follows: Excavation, 13,347 cu. yds; embankment, 9925 cu. yds; decomposed granite surfacing, 240,600 sq. ft. There will be a number of cement culverts and a 26-ft. pile bridge.

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SACRAMENTO, Cal.—The City Council, M. S. Desmond, City Clerk, has invited the Sacramento County Supervisors to be present at a meeting to frame a petition to the State Railroad Commission for a subway at Brighton. Conditions in this territory are exceedingly dangerous, according to a report of City Commissioner John Q. Brown, and it is the intention of the Council to secure immediate action. The subway will be financed by the City, County, State Highway Commission and the S. P. Railroad.

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YUBA CITY, Sutter Co., Cal.—Bids will be received by Albert B. Brown, County Clerk, up to March 6th, 10 A. M., for the construction of a portion of the Yuba City-Nicolaus Road between Yuba City and Oswald, Sutter County Highway System, about four miles in length, to be paved with cement concrete, asphaltic concrete or macadam.

**County Engineer's Estimate.**

**Item 1.** 8,400 cubic yards excavation without classification.

**Item 2.** 4,450 cubic yards "Class A" Portland cement concrete pavement. (Alternative "A").

**Item 3.** 20 cubic yards "Class A" Portland cement concrete (culverts).

**Item 4.** 530 lineal feet 12" corrugated metal pipe.

**Item 5.** 35,600 square yards Asphaltic concrete foundation and Warrenite Wearing surface. (Alternative "B").

**Item 6.** 5,950 cubic yards Macadam pavement. (Alternative "C").

Alternative "A," "B," or "C" to be laid at the option of the Board of Supervisors.

The County will furnish the following materials: Cement concrete aggregate (fine and coarse), broken stone and screenings for macadam, reinforcing steel, corrugated metal pipe and Portland cement.

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NAPA, Napa Co., Cal.—Bids will be received by James A. Daley, County Clerk, up to March 10th, 10 A. M., for the construction of that portion of the County Highway from the northerly line of the limits of the City of Napa to Trubody Station (approximately 6 miles in length).

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HANFORD, Kings Co., Cal.—The City Council, D. C. Williams, City Clerk, has passed resolution of intentions providing for the improvement of portions of Elm, Tenth and all of Katherine and Harris streets, by grading, constructing cement concrete curbs and gutters and paving with a bituminous base 4-inches thick with a Warrenite-Bitulithic wearing surface.

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EUREKA, Humboldt Co., Cal.—The City Council has granted permission to property owners in W street, West End to grade that thoroughfare at their own expense.

The Council adopted an amendment to the sewer ordinance which will permit the use of vitrified earthen pipe in place of iron pipe in building construction where acid fluids are discharged.

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LODI, San Joaquin Co., Cal.—Following bids were received by the City Trustees, H. S. Clark, City Clerk, for furnishing and laying pipe:

Theo. D. Rotas, Lodi, Cal., $1.09 per foot for cement pipe, laid and trench back filled.

Ed. Spiekerman, 46c per foot for cement pipe; 17c per foot for laying same. No bid for excavating or back filling.

C. E. Hodson & Co., Stockton, Cal., $0.924 per foot complete, for cement pipe.

There were no bids for S. G. V. pipe.

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REDWOOD CITY, San Mateo Co., Cal.—The United States Cast Iron Pipe & Foundry Co., Monadnock Bldg., San Francisco, submitted the only bid to the City Trustees for furnishing 1200 feet of 6-inch and 2200 feet of 4-inch cast iron pipe, and fitings.

The bid was $3,640, f. oo b. Birmingham, Alabama. Action in awarding a contract was deferred for one week W. A. Price is City Clerk.

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BURLINGAME, San Mateo Co., Cal.—Following bids were received by the City Trustees for furnishing and installing two new pumps for the municipal water system:

L. E. Penniman, San Mateo Park, pumps, $11,756; panels, $825.

Simonds Machinery Co., San Francisco, pumps, $10,227; panels, $880.

Bids were taken under advisement.

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LONG BEACH, Los Angeles Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the lowest bid at about $82,000 for paving Seventh street between Atlantic and Redondo avenues with 5-in. of concrete, its unit price for paving being 22c sq. ft. Geo. S. Benson & Sons of Los Angeles, submitted the only other bid at about $92,000, their unit price for paving being 23½c sq. ft. Fairchild-Gilmore-Wilton Co. submitted the only bid for paving with asphalt macadam four alleys in one district and another alley.

# Official Proposals.

**NOTICE TO CONTRACTORS.**

THE BOARD OF TRUSTEES of the Fowler Union High School District, Fowler, Cal., will receive sealed proposals up until **2 o'clock P. M., March 5th, 1920,** at the High School building, Fowler, Cal., at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new high school buildings in accordance with plans and specifications prepared therefor by Allison & Allison, Architects, 1405 Hibernian Building, Los Angeles, Cal. Bids will be received separately for the different segregated contracts as follows:

CONTRACT No. 1—For the Excavating, Concrete, Masonry, Terra Cotta, Iron and Carpenter Work, etc. Bids Nos. 1 with alternate bids A, B, C and D. (See specifications.)

CONTRACT No. 2—For the Sheet Metal Work, etc. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 3—For the Tile Roofing, etc. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 4—For the Composition Roofing. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 5—For the Plastering. Bid No. 1 with alternate Bid C. (See specifications.)

CONTRACT No. 6—For the Blackboards. Bid No. 1. (See specifications.)

CONTRACT No. 7—For the Painting, etc. Bid No. 1 with alternate Bids C and E. (See specifications.)

CONTRACT No. 8—For the Electric Work, etc. Bid No. 1 with alternate Bid C. (See specifications).

CONTRACT No. 9—For the Plumbing, Gas Fiting, Sewering, etc. Bid No. 1 with alternate bid C. See specifications.)

CONTRACT No. 10—For the Program Clocks. Bid No. 1 with alternate bids C and F. (See specifications.)

CONTRACT No. 11—For the Hardware. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 12—For the Heating and Ventilating. Bid No. 1 with alternate bid C. (See specifications.)

Cashier's or certified check or bidder's bond for an amount not less than five per cent (5%) of amount of bid shall accompany each proposal, drawn payable to the order of EDWIN GOWER, Clerk of the Board of Trustees, Fowler Union High School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into

a contract with said High School Trustees in accordance therewith, and shall furnish the surety bonds as required by the specifications, said check or bond to be forfeited to the said High School District should the bidder fail to execute contract and furnish bond as above mentioned

All bids to be made out on forms furnished by the Architects.

Plans and specifications for all the above work may be seen at the office of MORROW & GARREN, Architects, Chronicle Building, San Francisco, Cal.

A deposit of $25.00 will be required from all contractors receiving plans, said deposit to be refunded when plans and specifications are returned in good condition.

The said High School Board reserves the right to reject any or all bids, and to waive any informality in any bid received.

By order of the Board of Trustees, Fowler Union High School District, Fowler, California.

By EDWIN GOWER, Clerk, Board of Trustees, Fowler Union High School District, Fowler, Cal.

Dated, February 12, 1920.

## BIDS WANTED FOR NEVADA HIGHWAY.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned to **12 o'clock Noon, March 8, 1920,** for the construction of a State Highway on the west side of Walker Lake in Mineral County from Cotton Wood Creek to a point 9.47 miles north thereof, work consisting of grading 15 feet wide and the construction of drainage openings.

Plans may be examined and forms of proposals, contract and specifications secured at office of the undersigned; may also be examined at the county clerk's office in Hawthorne. Cash deposit of $15.00 with undersigned required for copy of plans—$25.00 required for copy of plans with cross sections, which will be refunded on their return in good condition. Bids must be on Proposal Form of Highway Department and accompanied by a certified check in the amount of 5% of the bid. Right is reserved to reject any and all bids.

C. C. COTTRELL,
State Highway Engineer.

Carson City, Nevada.

## NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN, that bids for work, material and for the complete construction of a two-story brick building with an alternate bid for concrete walls, and for the removal of the present frame buildings known as the Domestic Science and the Manual Arts building from block 342 (the present site of Alhambra Union High School) in the town of Martinez, County of Contra Costa, State of California, to the new site of the proposed High School building in blocks 100, 101, 104, 105, 158 and 159 of the Original Survey of the town of Martinez will be received by the Trustees of the Alhambra Union High School District in Contra Costa County at the office of the principal of said school at the main high school building in the town of Martinez, County of Contra Costa, **between 10 o'clock A. M. and 10:30 o'clock A. M. of Friday, March 5, 1920.** A separate bid to be submitted for the installation in the above referred to buildings of program clocks, fire alarm and an intercommunicating telephone system. A separate bid to be submitted for the installation in said two-story building of complete plenum, heating system with ventilating fans for toilets and science tables. All bids to be in accordance with plans and specifications now on file in the office of J. E. Rodgers, Byron Brown Building, Martinez, California. Copies of plans and specifications may be had at the office of A. A. Cantin, Architect, 68 Post St., San Francisco, or Gazette Building, Martinez, California.

A deposit of $50.00 will be required as a guarantee of the return to the Board of Trustees of said High School of the plans and specifications taken for bidding or other purposes and will be refunded to the Contractor when the plans and specifications are returned in good condition. No bids will be received after the closing hour specified in this advertisement.

Accompanying each proposal shall be a statement stating the maximum number of working days the bidder will agree to fully complete the work of this contract in.

Time is of the essence of a contract that may be awarded under this notice and the least maximum time required to complete the work by the bidder will be considered by the Board in awarding the contract.

In awarding the contract, bidders will understand that it will be necessary to file two bonds with the contract, one to the extent of 50% of the amount of the contract for faithful performance of the work and the other for 50% of the amount of the contract known as a lien bond to secure the payment of labor and material. The form of all bonds shall comply with all laws covering the same and will be subject to the approval of the District Attorney of Contra Costa County.

Proposals shall be delivered to A. E. Dunkel, President of the Board of Trustees of Alhambra Union High School District, at the office of the principal of said school in said high school building between the hours hereinbefore stated. Said bids shall be enclosed in a sealed envelope addressed to the Board of Trustees of Alhambra Union High School District, Contra Costa County, California.

A certified check of 5% of the amount of the proposal payable to Alhambra Union High School District, California, must accompany each proposal.

Should the successful bidder fail to obtain a bond and sign a contract for the amount of his proposal, upon the contract being awarded to him, under this notice, his check will be forfeited to said district.

All checks will be returned to the unsuccessful bidders upon application at the office of the Clerk of the Board after the contract has been signed and bond furnished by the Contractor whose bid has been accepted.

The competency and responsibility of bidders will be considered in making any award under this contract.

The Board of Trustees reserves the right to reject any or all bids or any part of any bid.

Dated, February 12, 1920.

A. E. DUNKEL,
President of the Board of Trustees of Alhambra Union High School District.

J. E. RODGERS,
Clerk of the Board of Trustees of Alhambra Union High School District.

## NOTICE TO CONTRACTORS.

SEALED PROPOSALS, indorsed "Proposals for Distributing System and Power Plant Equipment, San Diego, Calif., Specification No. 4118," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., **until 2 o'clock P. M., on March 3, 1920,** and at the office of the Public Works Officer, Twelfth Naval District, Timken Bldg., San Diego, Calif., **until 11 o'clock A. M., on the same date,** and then and there publicly opened, for furnishing and installing complete power plant and electric generating equipment including piping and accessories and distributing systems for electricity and steam at the Marine Corps Base, San Diego, Calif. Drawings and specification No. 4118 may be obtained on application to the Bureau, to the Commandant, 12th Naval District, 417 Sheldon Bldg., San Francisco, Calif., or to the Public Works Officer, 12th Naval District, South of San Francisco Bay, Timken Bldg., San Diego, Calif. Deposit of a check or postal money order for $10 payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specifications within five days after award of the contract.

C. W. PARKS, Chief of Bureau, January 22, 1920.

## NOTICE TO CONTRACTORS.

SEALED PROPOSALS, indorsed "Proposals for A Storehouse and Three Hangars, San Diego, Calif., Specification No. 4087," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., **until 2 o'clock P. M., March 3, 1920,** and at the office of the Public Works Officer, Twelfth Naval District, South of San Francisco Bay, Timken Building, San Diego, Calif., **until 11 o'clock A. M., on the same date,** and then and there publicly opened for hangars "A," "B," "C," and storehouse "D" about 75 by 112, 66 by 140, 66 by 200 and 100 feet wide by 300 feet long respectively; at the Naval Air Station, San Diego, Calif. The Government will furnish all materials above foundations for "B" and "C," except for downspouts, gutters, concrete work and painting, and will furnish the structural steel only, above foundations for "A" and D." The contractor shall supply all other materials required and erect the buildings complete. The buildings will be, in general, all steel construction and will have concrete foundations. Drawings and specification No. 4087 may be obtained on application to the Bureau, to the Commandant, Twelfth Naval District, Sheldon Building, San Francisco, Calif., or to the Public Works Officer, Twelfth Naval District, South of San Francisco Bay, Timken Building, San Diego, Calif. Deposit of a check or postal money order for $10 payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of the contract.

C. W. PARKS, Chief of Bureau, January 28, 1920.

## BIDS WANTED FOR BUILDINGS.

### NOTICE TO CONTRACTORS.

SEALED BIDS will be received by the State Land Settlement Board, Turlock, California, **up to and including 10 A. M., Thursday, February 26th, 1920,** said bids then and there to be publicly opened and read, for complete construction and erection of two town houses to be erected on the Delhi Colony, Merced County, California, six miles south of Turlock, in accordance with the plans and specifications therefor, copies of which may be consulted at the office of the State Land Settlement Board, Turlock, California.

Such bids will be received only on prepared forms furnished by the State Land Settlement Board.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

The State Land Settlement Board reserves the right to reject any and all bids and to waive any informality in any bid received.

**Time Limit:** Time being an important consideration, the number of working days required in which to complete the work in its entirety will be taken into consideration in awarding the contract.

**Damages:** For each extra working day required over and above the stipulated time limit, the contractor shall pay to the Land Settlement Board, of the State of California, the sum of Five and no 100 ($5.00) Dollars as liquidated damages.

All proposals shall be enclosed in an opaque envelope, sealed, marked "Proposal," bearing title of the work and name of bidder, and addressed to the undersigned.

MAX E. COOK,
[SIGNED] Farmstead Engineer.

## CAST IRON PIPE BIDS WANTED.

LOS ANGELES, Los Angeles Co., Cal.—Until 3 P. M., March 2, bids will be received by the Board of Public Service Knickerbocker Bldg., for furnishing cast iron pipe in accordance with Specification No. 494. Jas. P. Vroman, Secretary.

## TO PURCHASE FIRE ENGINES.

ALAMEDA, Alameda Co., Cal.—The City Council has authorized the Mayor to purchase two triple combination fire engines, on the cash or deferred payment plan. The machines will cost in the neighborhood of $12,000 each.

R. E. Bosshard is City Clerk.

## LUMBER CONTRACT AWARDED.

SANTA ROSA, Sonoma Co., Cal. The City Council has awarded a contract to F. Berka, 8th and Wilson Sts., Santa Rosa, for furnishing lumber to be used in the construction of septic tanks at the city sewer farm.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| | | | |
|---|---|---|---|
| 404 | Stewart | Branch | 3900 |
| 405 | Horstman | Moran | 740 |
| 406 | Sicht | Sherwood | 4000 |
| 407 | Olden | Farquharson | 500 |
| 408 | Coughlan | Mullen | 850 |
| 409 | Carden | Owner | 500 |
| 410 | Jewelers | Forderer | 2000 |
| 411 | Show | Owner | 27500 |
| 412 | Keenan | Owner | 15500 |
| 413 | Preston | Larsen | 2700 |
| 414 | Murphy | Owner | 2000 |
| 415 | Gartland | Owner | 100000 |
| 416 | Dimmer | Owner | 1000 |
| 417 | Bauer | Bauer | 6500 |
| 418 | Rolkin | Owner | 6000 |
| 419 | Basin | Kragen | 500 |
| 420 | Strub | Hamerton | 5000 |
| 421 | Steel | Kleeman | 500 |
| 422 | Olsen | Olsen | 9000 |
| 423 | Perigo | Kincannon | 8000 |
| 424 | Mitchell | Moore | 550 |
| 425 | Urban Rlty | Duncan | 7400 |
| 426 | Magnin | *Stahl | 700 |
| 427 | Hoffman | Home | 1000 |
| 428 | Schwarzenbek | Hoff | 450 |
| 429 | Union Oil | Healy | 7000 |
| 430 | Wooster | Home | 5000 |
| 431 | McGlennon | Barry | 6000 |
| 432 | Jones | Pasqualetti | 4525 |
| (433) | Mark Lally | Malloch | 5850 |
| 434 | Borman | Quinn | 1000 |
| 435 | Scholtzhauer | Owner, | 900 |
| 436 | Cal. Hawaiian | Sass | 1300 |
| 437 | Tetzer | Pearson | 900 |
| 438 | Ayers | Kiel | 500 |
| 439 | Allen | Owner | 2000 |
| 440 | Price | Anfenson | 1850 |
| 441 | Chiapelloni | Polati | 500 |
| 442 | De Martini | Owner | 500 |
| 443 | Forui | Demartini | 900 |
| 444 | Doe | Donahue | 500 |
| 445 | Asher | Johnson | 15000 |
| 446 | Nelson | Owner | 1000 |
| 447 | Wobber | Peters | 500 |
| 448 | Heyman | Heyman | 4000 |
| 449 | Same | Same | 8000 |
| 450 | Urban | Duncan | 7400 |
| 451 | Summit | Coleman | 520 |
| 452 | Hetty | Leiter | 5787 |
| 453 | Humboldt | Mission Mbl | 4980 |
| 454 | Same | Brockhage | 3630 |
| 455 | Same | Amer Art Mtl | 9925 |
| 456 | Pig'n Whistle | Enterprise | 3520 |
| 457 | Crocker | Robinson | 985 |
| 458 | Havard | Owner | 1500 |
| 459 | Grouzin | Sterling | 1000 |
| 460 | Catto | Moran | 3600 |
| 461 | Fleischmann | Owner | 2500 |
| 462 | McCarthy | Arnott | 2900 |
| 463 | R C Archb. | Goodwin | 39356 |
| 464 | Same | O'Mara | 935 |
| 465 | Same | Neal | 670 |
| 466 | Same | Globe | 815 |
| 467 | Holmes | Malloch | 3775 |
| 468 | Pig'n Whistle | Kiernan | 4045 |
| 469 | Meyer | Munster | 2000 |
| 470 | Anderson | Owner | 10000 |
| 471 | Marshall | Prout | 8000 |
| 472 | McKenzie | Prout | 8000 |
| 473 | Haun | Owner | 6000 |
| 474 | Miller | Owner | 9600 |
| 475 | Mark-Lally | Malloch | 5850 |

**PERMITS.**

ALTERATIONS
(404) S GEARY 20 W Powell. Alter doors and windows for store.
Owner—Chas. and Margaret Stewart, Stewart Hotel, San Francisco.
Architect—A. Politeo, 1st National Bk. Bldg., San Francisco.
Contractor—Branch & Coffer, 228 Mills Bldg., San Francisco.
COST, $3900

ALTERATIONS
(405) NO. 2982 HOWARD. Alter partitions, add windows and panel room for flats.
Owner—Henery Horstman. Premises.
Architect—None.
Contractor—Harry Moran, 778 10th Ave., San Francisco.
COST, $740

ADDITION
(406) NO. 2211 MISSION. Add two stories to present building
Owner—L. Sicht. Premises.
Architect—None.
Contractor—W. E. Sherwood, 40 San Carlos Ave., San Francisco.
COST, $4,000

ALTERATIONS
(401) NO. 507 MARKET. Alter for lunch room and candy store.
Lessee—Mr. Olden, 507 Market St., San Francisco.
Architect—None.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco.
COST, $500

ALTERATIONS
(408) NO. 167 O'FARRELL. Alter entrance, new stairs, construct mezzanine floor, etc.
Owner—John Coughlan, Premises.
Architect—None.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco.
COST, $850

ALTERATIONS
(409) NO. 1956 PAGE. Alter windows, plaster front for motion picture studio.
Owner—Jas. H. Carden, 1730 Laguna St., San Francisco.
Architect—F. A. Wolthew, 1956 Page St., San Francisco.
Day's work. COST, $500

LUNCH ROOM
(410) N POST 137-6 E Grant Ave. Construct women's lunch room and rest quarters on roof.
Owner—Jewelers Bldg., Premises.
Architect—None.
Contractor—Forderer Cornice Works, 269 Potrero Ave., San Francisco.
COST, $2000

STORES AND LOFTS
(411) NE BUSH AND CHATHAM. Two-story brick stores and lofts.
Owner—Martin S. Show, 1901 California St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Day's work. COST, $27,500

FRAME FLATS
(412) W NINETEENTH AVE 140 and 165 N Cabrillo. Two two-story and basement frame (2 in each) flats.
Owner—H. C. Keenan, 306 Webster St., San Francisco.
Architect—None.
Day's work. COST, $7750 each

**PERMITS.**

(413) E FAXON AVE. 200 S. Demontford. Two-story and basement frame dwelling.
Owner—J. Preston, 236 Miramar Ave., San Francisco.
Architect—None.
Contractor—S. Larsen, 79 Cortland Ave., San Francisco.
COST, $2700

(414) SE GEARY AND MASON; Alterations to store front, remove brick walls, etc.
Owner—John Murphy Estate, 342 Mason, San Francisco.
Architect—M. V. Politeo, First National Bank Bldg., San Francisco.
Day's work. COST, $2,000

GARAGE, ETC.
(415) SE ELEVENTH AND MARKET. Three-story and basement concrete garage and auto salesrooms.
Owner—P. J. Gartland, 21st and Guerrero, San Francisco.
Engineer—Otto Schiller, 44 Eastwood Drive, San Francisco.
Day's work. COST, $100,000

ADDITION
(416) E HYDE 60 S Green. Add two rooms and private garage for flats.
Owner—Julie Dimmer, 1544 Hyde, San Francisco.
Architect—None.
Day's work COST, $1,000

FRAME DWELLING
(417) W MIRAMAR 72 S Southwood. One-story and basement frame dwlg.
Owner—Lucy A. Bauer and A. Quinn, 2506 23rd Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny St. San Francisco.
Contractor—L. A. Bauer, 2506 23rd Ave., San Francisco.
COST, $6500

ADDITION
(418) N McALLISTER 137-6 W Leavenworth. Five-story and basement brick addition to apartments.
Owner—Edw. Rolkin, Argonaut Hotel, San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
COST, $60,000

ALTERATIONS
(419) SW NATOMA AND THIRD. Alter store front.
Owner—N. Basin, 109 Third St., San Francisco.
Architect—None.
Contractor—Louis Kragen, 743 Gough St., San Francisco.
COST, $500

REPAIRS
(420) NO. 1590 PORTOLA DRIVE. Repair fire damage to dwelling.
Owner—Dr. C. H. Strub, Premises.
Architect—None.
Contractor—Wm. C. Hamerton & Son, 1301 Waller St., San Francisco.
COST, $5000

GARAGE
(421) NO. 17 WEST CLAY PARK. Construct private garage.
Owner—F. J. Steele, West Clay Park, San Francisco.
Architect—None.
Contractor—Wm. Kleeman, 188 Page St., San Francisco.
COST, $500

**RECORDED.**

RESIDENCES
(422) SW SOUTHWOOD DRIVE dist. NW 1 from SE line Lot 23 NW 94 S 5 deg. 45 min. W 140.428 S 75 deg. 22 min. E 72 N 16 deg. 41 min. 51 sec. E 106.694 all Lot 22 Ptn Lots 23 and 24 Blk 3196, Westwood Park. All work for two one-story and basement frame residences.
Owner—Amanda A. Olsen, 68 Santa Ynez Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olsen, 68 Santa Ynez Ave., San Francisco.
Filed Feb. 17, '20. Dated Feb. 11, '20.
Frames up and enclosed.....$2250
Brown coated ..... 2250
Completed and accepted..... 2250
Usual 35 days..... 2250
TOTAL COST, $9000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

**PERMITS.**

BRICK BUILDING
(423) N ELLIS 136 E Van Ness Ave. One-story brick building.
Owner—F. L. Perigo, 619 Larkin St., San Francisco.
Architect—None.
Contractor—J. G. Kincannon, 619 Larkin St., San Francisco.
COST, $8000

ALTERATIONS
(424) NO. 2523 GOUGH. Alter for garage.
Owner—Mitchell, Premises.
Architect—None.
Contractor—J. K. Moore, 218 19th Ave., San Francisco.
COST, $550

RESIDENCE
(425) INGLESIDE TERRACE. One and one-half-story frame residence and garage.
Owner—Urban Realty Co., 85 Cerritos Ave., San Francisco.
Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.

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Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.
COST, $7400

ALTERATIONS
(426) SE O'FARRELL AND STOCKTON. Alter store front on O'Farrell Street section.
Owner—Joseph Magnin Co., Premises.
Architect—Bernard J. Joseph, 520 New Call Bldg., San Francisco.
Contractor—J. J. Stahl, 666 8th Ave., San Francisco.
COST, $700

ALTERATIONS
(427) POLK AND PINE. Alter cigar store.
Owner—M. Hoffman, Premises.
Architect—None.
Contractor—Home Mfg. Co., 543 Brannan St., San Francisco.
COST, $1000

FLOORING
(428) NO. 1507 POLK. Composition flooring.
Owner—F. X. Schwarzenbeck, Prem.
Architect—None.
Contractor—C. Hoff, Monadnock Bldg., San Francisco.
COST, $450

BULKHEAD
(429) SIXTEENTH AND ILLINOIS. Wooden bulkhead.
Owner—Union Oil Co., Mills Bldg., San Francisco.
Architect—Ralph J. Reed, Chief Engineer Union Oil Co.
Contractor—Healy Tibbitts Constr. Co., Main and Market, San Francisco.
Cost, $7000

ALTERATION
(430) SE STOCKTON AND MANILA Ave. Alteration.
Owner—J. F. Wooster, 236 Stockton, San Francisco.
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.
Contractor—Home Mfg. Co., 543 Brannan, San Francisco.
COST, $5,000

FLATS
(431) E TAYLOR 24-6 N Sacramento. Two-story frame building (flats).
Owner—John McGlennon, 1108 Taylor, San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Thomas F. Barry, 3641 20th St., San Francisco.
COST, $6000

**RECORDED.**

FOUNDATIONS, ETC.
(432) COM 306.2 S ISLAIS AND 540 E 3rd S 100xE 50. All work for reinforced concrete foundations, reinforced concrete containing walls, pipe trenches and concrete sumps and yard flooring for vegetable oil plant.
Owner—S. L. Jones & Co., 138-140 California St., San Francisco.
Engineer—C. A. Watts, 24 California, San Francisco.
Contractor—Jos. Pasqualetti as American Concrete Co., Humboldt Bank Bldg., San Francisco.
Filed Feb. 18, '20. Dated Feb. 2, '20.
Monthly payments of ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $4525
Bond, $4525. Sureties, Maryland Casualty Co. Forfeit, none. Limit, 45 days. Palns and specifications filed.

**PERMITS.**

WAREHOUSE
(433) N CLEMENTINA 191 E. 2nd. St. One-story frame warehouse.
Owner—Mark Lally Co., 2nd and Clementina, San Francisco.
Architect—None.
Contractor—J. S. Mallock, 180 Jessie, San Francisco.
COST, $5,860

EXCAVATION, ETC.
(434) NO. 2459 SAN BRUNO AVE. Excavate and lower store to sidewalk line.
Owner—W. H. Borman, 2459 San Bruno Ave., San Francisco.
Architect—None.
Contractor—Jas. R. Quinn, 2661 San Bruno Ave., San Francisco.
COST, $1,000

ADD AND ALTER
(435) NO. 3665 CLAY. Addition of two rooms to dwelling, other alterations.
Owner—F. Scholtzhauer, Premises.
Architect—None.
Day's work.
COST, $900

ALTERATIONS
(436) NO. 230 CALIFORNIA. Remove and rebuild partitions, plumbing, painting, plastering, etc.
Owner—California Hawaiian Sugar Co., 230 California, San Francisco.
Architect—None.
Contractor—Sass & Son, 134 St. Anne St., San Francisco.
COST, $1,300

RAISE DWELLING
(437) NO. 268 CLARA. Raise dwelling to new street grade.
Owner—Mrs. Fred Tetzer, 268 Clara, San Francisco.
Architect—None.
Contractor—E. K. Pearson, 2372 Bryant St., San Francisco.
COST, $900

CONCRETE FLOOR, ETC.
(438) NO. 316 ELEVENTH AVE. Concrete floor, porches, etc., for dwelling.
Owner—C. C. Ayers and B. R. Campi, 316 11th Ave., San Francisco.
Architect—B. Kiel, 314 11th Ave., San Francisco.
Contractor—B. Kiel and C. C. Sayre, 314 11th Ave., San Francisco.
COST, $500

DWELLING
(439) W EIGHTEENTH AVE. 175 N Ulloa. one and one-half story and basement frame dwelling.
Owner—L. W. Allen, 725 Taraval, San Francisco.
Architect—None.
Day's work
COST, $2,000

REPAIRS, ETC.
(440) NE GOLDEN GATE AVE. and Fillmore. Concrete flooring, repair plastering, etc., for store.
Owner—Mrs. Price, Colonial Hotel, San Francisco.
Architect—None.
Contractor—T. O. Anfenson, 60 Fair Oaks, San Francisco.
COST, $1850

UNDERPIN
(441) NE LEAVENWORTH AND Lombard. Underpinning for flats.
Owner—G. Chlapelloni, 3138 Laguna, San Francisco.
Architect—None.
Contractor—G. Polati, 2229 Union St., San Francisco.
COST, $500

ALTERATIONS
(442) NO. 1767 MASON ST. Changes and alterations for flats.
Owner—Phillip De Martini, 1767 Mason St., San Francisco.
Architect—None.
Day's work.
COST, $500

ALTERATIONS
(443) NO. 219 MAYNARD ST. Raise and make general alterations to residence.
Owner—A. Forui, Premises.
Architect—None.
Contractor—F. De Martini, 274 29th St., San Francisco.
COST, $900

RAISE AND UNDERPIN
(444) E NOE 300 S 30th (No. 1753). Raise and underpin dwelling.
Owner—John Doe, 1753 Noe, San Francisco.
Architect—None.
Contractor—P. A. Donahue, 272 Lisbon, San Francisco.
COST, $500

(445) S SACRAMENTO 156-3 W Fillmore. Alterations and addition to present building for tenement house.
Owner—Lillie Asher, Fairmount Hotel, San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.
COST, $15,000

(446) NO. 2790 TAYLOR ST. Addition to cannery.
Owner—O. A. Nelson & Co., 2796 Taylor St., San Francisco.
Architect—C. H. Barrett, Hotel Washington, San Francisco.
Day's work.
COST, $1,000

ALTER AND ADD
(447) NO. 735 TWELFTH AVE. Additions and alterations for residence.
Owner—Mrs. Herman Wobber, 735 12th Ave., San Francisco.
Architect—None.
Contractor—J. M. Peters, 1010 Balboa St., San Francisco.
COST, $500

DWELLINGS
(448) W TWENTY-SECOND AVE 285 and 312-6 S Lincoln Way. Two one-story and basement frame dwellings.
Owner—Oscar Heyman & Bro., 742 Market, San Francisco.
Architect—None.
Day's work.
COST, $2000 each

DWELLINGS
(449) W TWENTY-SIXTH AVE 310 and 337-6 N Fulton. Two one-story and basement frame dwellings.
Owner—Oscar Heyman & Bro., 742 Market St., San Francisco.
Architect—None.
Day's work.
COST, $4000 each

RESIDENCE, ETC.
(450) N URBANA DRIVE 310 W Victoria. One-story and basement frame residence and 1-story frame private garage.
Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco
Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.
Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.
COST—Residence, $7000; Garage, $400

**RECORDED**

PLUMBING, ETC.
(451) E HYDE 56-6 N Greenwich N 56xE 56. Plumbing and sewer work for an eight-story building (apartments).
Owner—Summit.

Architect—T. Paterson Ross, 310 California, San Francisco.
Contractor—Alexander Coleman, 706 Ellis, San Francisco.
Filed Feb. 19, '20. Dated Feb. 13, '20. 30 days after completion and acceptance .....$520
TOTAL COST, $520
Bond, Sureties, Forfeit, none. Limit, 30 days. Plans and specifications filed.

CARPENTER WORK, ETC.
(452) S TURK 87-6 W Larkin W 25, S 137-6, E 112-6, N 55, W 87-6, N 82-6. Carpenter, Mill, rough plumbing, sewering, hardware, painting, glazing, galvanized iron roofing, etc., for a one-story brick building.
Owner—J. F. Hetty, 373 Ellis, San Francisco.
Architect—Edgar A. Mathews, Call Bldg., San Francisco.
Contractor—E. T. Leiter & Sons, Call Bldg., San Francisco.
Filed Feb. 19, '20. Dated Feb. 5, '20.
First floor joists and flooring in place .....$ 750
Completed and accepted ..... 3590
Usual 35 days ..... 1447
TOTAL COST, $5787
Bond, $2868.50. Sureties L. M. Zimmerman and Niels Anderson. Forfeit, none. Limit, 46 days after Feb. 6, 1920. Plans and specifications filed.

MARBLE WORK
(453) NO. 783 MARKET. Removal of existing marble, new marble work and repairing of marble work, etc., tiling, etc., for Humboldt Savings Bank.
Owner—Humboldt Savings Bank, Premises.
Architect—Smith O'Brien, 742 Market St., San Francisco.
Contractor—Mission Marble Works, 363 Guerrero St., San Francisco.
Filed Feb. 19, '20. Dated Feb. 12, '20.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $4980
Bond, $2490. Surety, The Aetna Casualty & Surety Co. Limit, May 28, 1920. Forfeit, $10. Plans and specifications filed.

(454) HOLLOW TILE PARTITIONS, metal stud partitions, metal lath, carpenter, rough hardware, glass, structural steel, etc., on above.
Contractor—Brockhage, Foley & Green, 326 Natoma St., San Francisco.
Filed Feb. 19, '20. Dated Feb. 12, '20.
Payments same as above.....
TOTAL COST, $3630
Bond, $1815. Sureties, Francis O'Reilly and D. O. Druffel. Limit, 75 days. Forfeit, $10. Plans and specifications filed.

(455) BRONZE AND ORNAMENTAL iron work on above.
Contractor—The American Art Metal Works, 13 Grace St., San Francisco
Filed Feb. 19, '20. Dated Feb. 12, '20.
Payments same as above.....
TOTAL COST, $9925
Bond, $4962.50. Surety, London & Lancashire Indemnity Co. Limit, May 28, 1920. Forfeit, $10. Plans and specifications filed.

LIGHT AND POWER WIRING
(456) NOS. 23 TO 27 POWELL. All work for lighting and power wiring for store.
Owner—Pig'n Whistle Co., 130 Post St., San Francisco.
Architect—Arthur S. Heinman, Monadnock Bldg., San Francisco and Los Angeles.
Contractor—Enterprise Electric Works, 654 Mission St., San Francisco.
Filed Feb. 19, '20. Dated Feb. 18, '20.
Roughed in ..... ½
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $3520
Bond, $1800. Sureties, H. N. Nelson and Geo. E. Roe. Limit, 60 days. Forfeit, none. Plans and specifications filed.

**PERMITS.**

ALTERATIONS
(457) SW BRADY AND MARKET. New front for store.
Owner—C. H. Crocker, 310 Sansome St., San Francisco.
Architect—None.
Contractor—Robinson & Gillespie, 1051 Sutter St., San Francisco.
COST, $985

ALTERATIONS
(458) NO. 225 CHURCH. Erect partitions; new front; cement floor, etc., for market.
Owner—Mrs. Havard, Belmont, Cal.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
COST, $1500

ALTERATIONS
(459) NO. 556 MARKET. Change front for restaurant.
Owner—Nick Grouzin, 514 Bush St., San Francisco.
Architect—Gus Dravillas, 377 3rd St., San Francisco.
Contractor—Sterling & Co., 129 Sutter St., San Francisco.
COST, $1000

ALTERATIONS
(460) NO. 3316 MISSION. Alter present lodge room into two four-room apartments.
Owner—John Catto, 231 5th Ave., San Francisco.
Architect—A. H. Hardy, 218 8th Ave., San Francisco.
Contractor—H. Moran, 778 10th Ave., San Francisco.
COST, $3600

TOWER
(461) W MINNESOTA bet. 23rd and 24th. Erect wood and steel cooling tower.
Owner—Fleischmann Co. of California, Premises.
Architect—None.
Day's work. COST, $2500

**RECORDED**

FRAME COTTAGE
(462) W JULES AVE 280 N Grafton Ave N 37-6xW 112-6; Pin Lots 42 and 43, Lakeview. All work for one-story frame cottage.
Owner—The McCarthy Co., 316 Bush St., San Francisco.
Plans by Contractors.
Contractor—James Arnott & Son, 2223 19th Ave., San Francisco.
Filed Feb. 20, '20. Dated ——.
30 days after frame up..... 25%
30 days after brown coated.... 25%
30 days after completed and accepted ..... 25%
Usual 35 days..... 25%
TOTAL COST, $2900
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

EXCAVATION, ETC.
(463) NW MINNA 97-6 NE Third NE 40xNW 80 and alterations to adjoining building, No. 677 Mission. Excavation, concrete, carpenter, glass, etc., for three-story and basement Class "C" loft building.
Owner—The Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Smith O'Brien, 742 Market St., San Francisco.
Contractor—T. B. Goodwin, 110 Jessie St., San Francisco.
Filed Feb. 20, '20. Dated Feb. 12, '20.
On 1st of each month..... 75%
TOTAL COST, $39,356
Bond, $19,678. Sureties, Maurice Dillon and Vincent Fassio. Limit, 75 days. Forfeit, $20. Plans and specifications filed.

(464) PLUMBING AND SEWERING on above.
Contractor—J. E. O'Mara, 443 Minna St., San Francisco.
Filed Feb. 20, '20. Dated Feb. 12, '20.
Roughed in.....$435
On completion .....Balance
TOTAL COST, $935
Bond, limit, forfeit, none. Plans and specifications filed.

(465) PAINTING ON ABOVE.
Contractor—L. J. Neal, 455 Hayes St., San Francisco.
Filed Feb. 20, '20. Dated Feb. 12, '20.
Completed and accepted .....$670
TOTAL COST, $670
Bond, Sureties, Forfeit, limit, none. Plans and specifications filed.

(466) ELECTRIC WIRING ON ABOVE
Contractor—Globe Electric Works, 1959 Mision St., San Francisco.
Filed Feb. 20, '20. Dated Feb. 16, '20.
Conduits and outlet boxes in ...$350
Completed and accepted .....Bal.
TOTAL COST, $815
Bond, Sureties, Forfeit Limit, none. Plans and specifications filed.

EXTERIOR & INTERIOR WORK
(467) NO. 239 POWELL. Store exterior, display windows and all interior work.
Owner—S. E. Holmes.
Designer—H. P. Vollmer, Flood Bldg., San Francisco.
Contractor—J. S. Malloch, 180 Jessie, San Francisco.
Filed Feb. 20, '20. Dated Feb. 3, '20.
15th and 30th of each month... 75%
Completed and accepted ..... 25%
TOTAL COST, $3775
Bond, Sureties, Forfeit, none. Limit, March 1st, 1920. Plans and specifications filed.
NOTE: Permit reported Feb. 4, 1920, No. 290.

PLUMBING
(468) NO. 23 TO 27 POWELL and adjacent premises. Plumbing for store and restaurant.
Owner—Pig'n Whistle Co., 130 Post St., San Francisco.
Architect—Arthur S. Heineman, Monadnock Bldg., San Francisco, and Los Angeles.
Contractor—Kiernan & O'Brien, 1766 Mission St., San Francisco.
Filed Feb. 20, '20. Dated Feb. 17, '20.
Roughed in ..... ½
On completion ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4045
Bond, $2025. Sureties, Jas H. Pinkerton and Herman Lawson. Forfeit, none. Limit, 60 days. Plans and specifications filed.

**PERMITS.**

ALTERATIONS
(469) 1453 Divisadero. General alterations for grocery store.
Owner—Fred W. Meyer, 2160 Geary St., San Francisco.
Architect—None.
Contractor—Munster & Bornholdt, 1580 Broderick St., San Francisco.
COST, $2,000

APARTMENTS
(470) NW FULTON AND EIGHTeenth Ave. Two-story and basement frame (four) apartments.
Owner—Hilding Anderson, 1858 Fell St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. COST, $10,000

DWELLING
(471) LOT 4, BLK. 7, FOREST HILL. Two-story and basement frame dwelling.
Owner—Regina Marshall, —— Sotello Ave., San Francisco.
Architect—None.
Contractor—J. Prout, 2020 Turk St., San Francisco.
COST, $8,000

DWELLING
(472) LOT 6, BLK. 7, FOREST HILL. Two-story and basement frame dwelling.
Owner—C. C. McKenzie and J. Prout, 2020 Turk St., San Francisco.
Architect—None.
Contractor—J. Prout, 2020 Turk St., San Francisco.
COST, $8,000

SHOP
(473) S MISSION 125 W 8th. One-story concrete machine shop.
Owner—C. C. W. Haun, 180 Jessie St., San Francisco.
Architect—Edward E. Young, 251 Kearny, San Francisco.
Day's work. COST, $6,000

DWELLINGS
(474) E NINETEENTH AVE. 275 and 300 S Balboa. Two-one-story and basement frame dwellings.
Owner—Wm. A. Miller & Co., 743 5th Ave., San Francisco.
Architect—None.
Day's work. COST, $4,800 each

**RECORDED.**

WAREHOUSE
(475) N CLEMENTINA 191 E 2nd E 59x80. One-story frame warehouse except plumbing and electric work.
Owner—Mark Lally Co., 2nd and Clementina Sts., San Francisco.
Architect—None.
Contractor—J. S. Malloch, 180 Jessie, San Francisco.
Filed Feb. 21, '20. Dated Feb. 16, '20.
Foundation Complete ..... 25%
Frame up ..... 25%
Completed and accepted ..... 26%

Usual 35 days ..... 25%
TOTAL COST, $5850
Bond, Sureties, Forfeit, none. Limit. 90 days. Plans and specifications filed. NOTE: Permit reported Feb. 20, 1920, No. 433.

## LEASE.

**San Francisco County.**

Feb. 19, 1920—NC 900-902-904-906 POST St. N Post bet. Hyde and Larkin. Mrs. L. W. Carey to L. Moran and P. Pappas; 10 years; $10,830.

Feb. 16, 1920—SE KIRKHAM AND Ninth Ave. Chas S Brundage to Herman and Christine Schleu. 5 years. $4500. Assigned Jan. —, 1920, to C G Blickle.

Feb. 16, 1920—NW MISSION bet. Embarcadero and Stewart Sts.; No. 90 Embarcadero and No. 95 Stewart St. Nellie M and Agnes Lowry and Isabel Lowry Soule to P Loustau. 4 years. $12,240.

**San Francisco County.**

Feb. 17, 1920—NW MISSION AND Twenty-second. The United Cigar Stores Co to Tom M Harman and Peter Maglaras. 5 years. $44 per month.

Feb. 17, 1920—NO. 112 THIRD ST. W line bet. Howard and Mission. Howard T Grimm, Kate G Wood and Est. Chas Grimm, dec'd. to Chas A Didie. 5 years. $9000. Assigned Oct. 20, 1919, to Alvin L Clayton.

Feb. 17, 1920—NOS. 640 TO 648 Kearny St., bet. Commercial and Clay. Henry G. Mayer to Gus Stamos; 5 years for $9,000.

Feb. 21, 1920—N O'FARRELL 137-6 E Powell E 87-6xN 137-6. O'Day Investment Co to California Hippodrome Co. 15 years. $900,000.

Feb. 21, 1920—NO. 109 WALNUT ST. Hattie Gage Mann to Caspar M Brown. 3 years. $2160 from July 1st, 1918.

## NOTICE OF NON-RESPONSIBILITY.

**San Francisco County.**

Feb. 18, 1920—NW ELLIS AND Stockton N 65xW 70. Mary Helen Layman as to improvements on leased property.....

Feb. 18, 1920—NW MISSION AND 21st Sts., No. 2498 Mission. Anna L. Brown, Alice T. Ebbinghansen, Elsie N. Spainer and Mamie Laura M. Scheppler, as to improvements on leased property.....

Feb. 16, 1920—N PINE 115-1½ W Leavenworth W 84-4½xN 137-6. Sharon Estate Co as to improvements on leased property.....

Feb. 16, 1920—NE STEVENSON AND Third NW 40xNE 57-6. Mercantile Trust Co Tr. Herman Levy, dec'd. as to improvements on leased property.....

Feb. 20, 1920—SE HARRISON 200 NE Fourth NE 125 SE 85 SW 25 SE 75 SW 100. L H Enemark, Tr. as to improvements on leased property..

# COMPLETION NOTICES

## San Francisco County

Feb. 13, 1920—E THORNTON AND Scotla Aves. The Roman Catholic Orphan Asylum to Knittle Cashel Co.....Feb. 4, 1920

Feb. 14, 1920—NO. 434 CALIFORNIA Hartford Accident & Indemnity Co to Barrett & Hllp.....Feb. 4, 1920

Feb. 14, 1920—SE CALIFORNIA & Sansome S 89xE 129-9¾. The Balfour Guthrie Investment Co to Hyde, Harjes & Co.....Feb. 4, 1920

Feb. 16, 1920—E ELEVENTH 225 S Mission S 100 E 75 S 25 N 25 N 125 W 100. T W Butcher to Mealey & Collins.....Feb. 7, 1920

Feb. 16, 1920—NE TENTH AVE AND Anza. Chas H and Ethel W Falk to Fred Wardell.....Feb. 14, 1920

Feb. 16, 1920—LOT 40 Map Resbdvn Lots 31 to 40, Presidio Terrace. Irma C Salz to Marcus Marcussen .....Feb. 6, 1920

Feb. 16, 1920—SE NAPLES 150 NE Italy NE 25 SE 100 Ptn Lot 3 Blk 58, Excl. Hd. Ass'n. Louis Levy to Wm G Grahn.....Feb. 16, 1920

Feb. 17, 1920—W TWENTY-NINTH Ave. 177-6 N California N 25xW 120 Harry B. Allen to whom it may concern.....Feb. 11, 1920

Feb. 17, 1920—W HOFF AVE 247 S 16th S 47-6xW 92-6. J A Lame to Adam Arras .....Feb. 16, 1920

Feb. 17, 1920—E TWENTY-SECOND Ave 250 N Geary N 25xE 120. Joseph C Kirby to whom it may concern.....Feb. 17, 1920

Feb. 17, 1920—S GREEN 137-6 W Powell W 46-3xS 137-6. Frederick Marra to G B Pasquelutti.Feb. 16, '20

Feb. 17, 1920—E TWENTY-NINTH Ave. 287.203 S Lake S 25xE 120. Harry B. Allen to whom it may concern.....Feb. 11, 1920

Feb. 17, 1920—E TWENTY-NINTH Ave. 262.203 S Lake S 25xE 120. Harry B Allen to whom it may concern.....Feb. 11, 1920

Feb. 17, 1920—NW TWENTY-NINTH Ave. 227-6 N California N 25xW 120. Harry B. Allen to whom it may concern .....Feb. 11, 1920

Feb. 17, 1920—W TWENTY-NINTH Ave 202-6 N California N 25xW 120. Harry B. Allen to whom it may concern .....Feb. 11, 1920

Feb. 17, 1920—W TWENTY-NINTH Ave. 252-6 N California N 25xW 120. Harry B Allen to whom it may concern .....Feb. 11, 1920

Feb. 17, 1920—E SIXTEENTH AVE. 175 S Cabrillo S 25xE 100. Michael Costello to whom it may concern .....

Feb. 18, 1920—W FAXON AVE S 3 fm N ln Lot 9 S 56 N 78 deg. 35 min. 28 sec. W 100.829 N 0 deg. 24 min. W 61.382 S 76 deg. 31 min. 59 sec. E 114.057 Ptn Lots 9 and 10 Blk 3106, Westwood Park. F A Brinkman to H J Hansen.....Feb. 14, 1920

Feb. 18, 1920—NW HOWARD AND 18th W 25 W 95 S 25 E 95. L D and F Klopstock to J S Malloch... .....Feb. 6, 1920

Feb. 18, 1920—SW CLAY AND Laguna 63-10⅛ on Laguna by 137-6 on Clay. Frank J Booth to Peter Bradley, City Protective Elec Co. Frank Davidson, O C Holt, James A Nelson, Wm F Lunzen and H L Zimmerman to whom it may concern.....Feb. 10, 1920

Feb. 18, 1920—LOT 7, BLK 3134 Westwood Park. Hans Nelson to Nelson Bros .....Feb. 16, 1920

Feb. 18, 1920—LOT 6, BLK. 3134 Westwood Park. Hans Nelson to Nelson Bros.....Feb. 16, 1920

Feb. 19, 1920—N ELLIS 164 E Van Ness Ave. Oscar H. Curtaz to whom it may concern..Feb. 19, 1920

Feb. 19, 1920—N GOLDEN GATE Ave. 55 E Gough E 82-6xN 120. Oscar H. Curtaz to whom it may concern .....Feb. 19, 1920

## LIENS FILED.

**San Francisco County.**

Feb. 19, 1920—S BROADWAY 127 W Laguna W 44-10½, S 137-6, E 34-4½, N 9-9¾, E 7-6, N 127-8¼. Martha M. Brodie as Thos. Brodie vs. Lillie H. and E. O. McCormick, Mrs. E. W. Goodrich .....$294.20

Feb. 17, 1920—N DAY 133 W Dolores — 25 N 114 E 25 S 114. John Shanahan vs. John Glynn .....$500

Feb. 19, 1920—LOTS 19 AND 20, BLK. 21 Crocker Amazon Tract. The Greater City Lumber Co. vs. T. M. Herrington .....$16

Feb. 20, 1920—N CALIFORNIA 56-3 E Lyon E 50xN 90-2¼. A. W. Spelt vs. Theresa and Wm. J. Weissbach .....$356.45

Feb. 20, 1920—N UNION 137-6 W Steiner 50x137-6. Sunset Iron Works vs. Anna Hladik .....$208

Feb. 20, 1920—N IRVING 32-6 W 23rd Ave W 25xN 100. W P Fuller & Co vs. Thomas O. Doherty .....$92

Feb. 20, 1920—N UNION 137-6 W Steiner 55xN 137-6. S & H Ginsberg (as Ginsberg Tile Co) vs Anna and J C Hladik!.....$262.50

Feb. 20, 1920—N UNION 137-6 W Steiner W 55xN 137-6. W P Fuller vs J C and Anna Hladik.....$410

# BUILDING CONTRACTS

## Alameda County

| | | | |
|---|---|---|---|
| 305 | Anderson | Owner | 6000 |
| 352 | Bertoldi | Owner | 1500 |
| 353 | Alder | Owner | 6000 |
| 354 | Hillen | Owner | 7000 |
| 355 | Cavaso | Strang | 5000 |
| 356 | Morch | Wilson | 6600 |
| 357 | Owl | Duval | 4000 |
| 358 | Marshall | Owner | 500 |
| 359 | Baysen | Hansson | 500 |
| 360 | Kinney | Owner | 4000 |
| 361 | Wieben | Wieben | 3500 |
| 362 | Gier | Boddeker | 23100 |
| 363 | Arents | Oakley | 3425 |
| 364 | Gen. Contrs. Assn | Graff | 2000 |
| 365 | Eames | Owner | 5500 |
| 366 | Jordan | Anderson | 3950 |
| 367 | PC Shredded Wheat | Gervais | 2090 |
| 368 | Togasaki | Woodard | 4500 |
| 369 | Abracadabra | Owner | 500 |
| 370 | Jensen | Jensen | 500 |
| 371 | Lewis | Jones | 400 |
| 372 | Auto Car | Owner | 23000 |
| 373 | Norris | Owner | 3000 |
| 374 | Woodburn | Owner | 5000 |
| 375 | Idora | Idora | 1000 |
| 376 | Brazier | Owner | 2500 |
| 377 | Woodhead | Winchester | 400 |
| 378 | Chiantaretto | Perona | 2500 |
| 379 | Jorgenson | Oakley | 2750 |
| 380 | Cormeau | King | 400 |
| 381 | Realty Syn | McPhee | 430 |
| 382 | Starr | Strang | 7000 |
| 383 | Sohst | Sheridan | 400 |
| 384 | Baker | Baker | 6000 |
| 385 | Best | Petersen | 10000 |
| 386 | Lakeshore | Strang | 7000 |
| 387 | Marker | Hendricks | 1000 |
| 388 | Nichols | Owner | 6000 |
| 389 | Stanislaus | Butterfield | 1000 |
| 390 | Woolsey | Thaxter | 500 |
| 391 | Glover | Owner | 2500 |
| 392 | Elsenius | MacGregor | 3975 |
| 393 | Maasberg | Owner | 4000 |
| 394 | Wright | Wilson | 7800 |
| 395 | Pedersen | Owner | 400 |
| 396 | Skoomand | Owner | 3000 |
| 397 | Nat'l Ice | Nelson | 150000 |
| 398 | Olsen | Olsen | 2500 |
| 399 | Coleman | Woolley | 490 |
| 400 | Barton | Barton | 400 |
| 401 | Braun | Braun | 550 |
| 402 | Katich | Perona | 1000 |
| 403 | Metze | Owner | 800 |
| 404 | Gutleben | Owner | 1000 |
| 405 | Bergenholts | Cal. Bldrs | 21000 |
| 406 | McChesney | Owner | 4000 |
| 407 | Knights of Col. | Power | 4000 |
| 408 | Ellis | Webb | 3500 |
| 409 | Shields | Talby | 412 |
| 410 | Stormer | Owner | 3900 |
| 411 | Stenbro | Owner | 3500 |
| 411 | Cianciarulo | Peppin | 3574 |

DWELLING
(352) S FIFTY-FIFTH ST. 55 W Vicente, Oakland. One story, four-room dwelling .
Owner—J. Bertoldi, 5628 Vicente, Oakland.
Architect—None.
Day's work. COST, $1500

DWELLINGS
(353) W SIXTY-THIRD AVE. 40 and 160 N Fortune Way, Oakland. Two one-story, five-room dwellings.
Owner—A. Alder, 2487 62nd Ave., Oakland.
Architect—None.
Day's work. COST, $3,000 each

DWELLINGS
(354) NE PRINCETON AND VICKSburg, Oakland. Two one-story five-room dwellings.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3500 each

RESIDENCE
(355) LOT 1, PIEDMONT MANOR, Piedmont. Two-story frame residence.
Owner—Leon Cavaso, 2133 Webster St., Oakland.
Architect—None.
Contractor—V. N. Strang, 1521 9th St., Oakland. COST, $5000

DWELLINGS
(356)N SIXTY-SECOND ST. 50 and 85 W Grove St., Berkeley. Two one-story five-room dwellings.
Owner—Wm. Morch, 1619 Hopkins St., Berkeley.
Architect—Hutchinson & Mills, 1512 Broadway, Oakland.
Contractor—Leslie R. Wilson, 2216 Blake St., Berkeley. COST, $3300 each

ALTERATIONS
(357) NE TELEGRAPH AND BANcroft Way, Berkeley. Interior alterations in store.
Owner—The Owl Drug Co., 611 Mission St., San Francisco.
Architect—None.
Contractor—Oliver Duval & Son, Daziel Bldg., Oakland. COST, $4,000

GARAGE
(358) TANGLEWOOD ROAD, Berkeley. Garage.
Owner—J. A. Marshall, 5672 Keith Ave., Oakland.
Architect—None.
Day's work. COST, $500

ADDDITION
(359) NO. 1128 THE ALAMEDA, Berkeley. Addition.
Owner—Baysen.
Architect—None.
Contractor—Louis O. Hansson, 1409 Bonita, Berkeley.
COST, $500

DWELLING
(360) S FORTY-THIRD ST. 125 E Shafter Ave., Oakland. One-story, six-room dwelling.
Owner—C. H. Kinney, 560 62nd, Oakland.
Architect—None
Day's work. COST, $4,000

DWELLING
(361) W MITCHELL ST. 400 N E-23rd St., Oakland. One-story, five-room dwelling.
Owner—C. A. Wieben, 2832 E-23rd St., Oakland.
Architect—None.
Contractor—Alex C. Wieben, 1919 Fruitvale Ave., Oakland.
COST, $3500

DWELLINGS
(362) E MITCHELL ST., 261, 295, 329, 363, 397, 431 S E-16th St., Oakland. Six one-story, five-room dwellings.
Owner—Theo. Gier, 581 18th St., Oakland.
Architect—None.
Contractor—Joe Boddeker, 1814 34th Ave., Oakland.
COST, $3850 each

DWELLING
(363) SW RENWICK AND BROOKdale, Oakland. One-story six-room dwelling.
Owner—C. A. Arents, 1430 Walnut St., Oakland.
Architect—None.
Contractor—Oakley & Kolmodin, 1911 65th Ave., Oakland.
COST, $3425

ALTERATIONS
(364) NO. 353 TWELFTH ST., Oakland. Interior alterations.
Owner—General Contractors' Association, 565 16th St., Oakland.
Architect—None.
Contractor—Edwn C. Graff, 1926 Broadway, Oakland.
COST, $2,000

RESIDENCE
(365) WILDWOOD AND WINSOR Ave., Piedmont. Two-story frame residence.
Owner—Lillie Eames, Piedmont.
Architect—M. Diggs, Syndicate Bldg., Oakland.
Day's work. COST, $5500

DWELLING
(366) N SYBIL AVE 275 E Santa Clara San Leandro. All work for one-story 5-room dwelling.
Owner—J. Chas. Jordan, 950 E-14th St., Oakland.
Architect—None.
Contractor—E. Anderson, San Leandro.
Filed Feb. 16, '20. Dated Feb. 16, '20.
Frame up ..... $1100
Brown coated ..... 1100
Completed and accepted ..... 1100
Usual 35 days ..... 650
TOTAL COST, $3950
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

TILE WORK, ETC.
(367) LOCATION NOT GIVEN. All work for terrazzo and tile work in toilets and rest rooms.
Owner—Pacific Coast Shredded Wheat Co., 14th & Poplar Sts., Oakland.
Architect—None.
Contractor—Henry Gervais, 1727 Mission St., San Francisco.
Filed Feb. 16, '20. Dated Feb. 16, '20.
Completed and accepted ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $2090
Bond, limit, forfeit, none. Plans and specifications filed.

DWELLING
(368) W GRANT 250 N Vine, Berkeley. One-story 5-room dwelling.
Owner—K Togasaki, 2112 Virginia St., Berkeley.
Architect—None.
Contractor—L. L. Woodard, 2415 73rd Ave., Oakland.
COST, $1500

ALTERATIONS
(369) NO. 2616 VIRGINIA, Berkeley. Alterations.
Owner—Abracadabra House Association, Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(370) NO. 1037 E-ELEVENTH ST., Oakland. Alterations.
Owner—Peter Jensen, Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(371) NO. 1360 FRUITVALE AVE., Oakland. Alterations.
Owner—C. Lewis, Commercial Bldg., Oakland.
Architect—None.
Contractor—F. G. Jones, 1217 Webster St., Oakland.
COST, $400

GARAGE
(372) NW FOURTH AND ALICE STS., Oakland. One-story brick garage.
Owner—Auto Car Sales & Service Co., Oakland.
Architect—A. W. Smith, 1010 Broadway Oakland.
Architect—None.
Day's work. COST, $23,000

DWELLING
(373) W HEARST AVE 175 N Lincoln Ave., Oakland. One-story 5-room dwelling.
Owner—Justus Norris, 2828 Richmond Ave., Oakland.
Architect—None.
Day's work. COST, $3000

RESIDENCE, ETC.
(374) LOT 24 Lakewood Park, Piedmont. One and one-half-story frame residence and garage.
Owner—F. L. Woodburn, 155 Parkside Drive, Berkeley.
Architect—None.
Day's work. COST, $5000

ALTERATIONS
(375) SHATTUCK AVE (Idora Park), Oakland. Alterations.
Owner—Idora Park Co.
Architect—None.
Day's work. COST, $1000

DWELLING
(376) S STUART 40 E McGee, Berkeley. One-story 5-room dwelling.
Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Day's work. COST, $2500

ALTERATIONS
(377) NO. 2904 WHEELER, Berkeley. Alterations.
Owner—Mrs. S. E. Woodhead, Premises.
Architect—None.
Contractor—C. A. Winchester.
COST, $400

DWELLING
(378) NO. 305 BRUSH, Alameda. One story 4-room dwelling.
Owner—A. Chiantaretto.
Architect—None.
Contractor—John Perona, 570 7th, Okd.
COST, $2500

DWELLLING
(379) NO. 511 HAIGHT AVE., Alameda. One-story 6-room dwelling.
Owner—P. Jorgenson, 1619 Webster, Alameda.
Architect—None.
Contractor—Oakley & Kolmodin, 1911 65th Ave., Oakland.
COST, $2750

ALTERATIONS
(380) NOS. 1543-45 PARK, Alameda. Alterations
Owner—W. A. Cormeau.
Architect—None.
Contractor—J. O. King, 2045 Alameda Ave., Alameda.
COST, $400

ALTERATIONS
(381) NO. 1433 FRANKLIN, Oakland. Alterations.
Owner—Realty Syndicate
Architect—None.
Contractor—A. J. McPhee, 2144 E-25th, Oakland.
COST, $430

DWELLING
(382) W HARVARD ROAD 90 N Annerly Road, Oakland. Two-story 6-room dwelling.
Owner—C. C. Starr, Oakland.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $7000

GARAGE
(383) S LAKE PARK AVE 200 E Lakeshore, Oakland. Garage.
Owner—Wm. Sohst, 583 Lake Park Ave. Oakland.
Architect—None.
Contractor—Robt. E. Sheridan, 351 11th, Oakland.
COST, $400

DWELLING
(384) N LERIDA AVE 265 W Carlston Oakland. Two-story 6-room dwlg.
Owner—W. J. Baker, 546 30th, Oakland
Architect—None.
Day's work. COST, $6000

ADDITION
(385) FOOT 105TH AVE., Oakland. Add to foundry.
Owner—Best Steel Casting Co., 105th Ave., Oakland.
Architect—None.
Contractor—Geo. Petersen, San Leandro.
COST, $10,000

DWELLING
(386) S ROSEMONT ROAD 100 W Verada Path, Oakland. Two-story 6 room dwelling.
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $7000

ALTERATIONS
(387) NO. 775 SIXTY-FIFTH, Oakland. Alterations and additions.
Owner—Luella K. Marker, 575 63rd, Oakland.
Architect—None.
Contractor—A. W. Hendricks, 575 63rd, Oakland.
COST, $1000

DWELLINGS
(388) N DERBY 80, 120 and 160 W Mathews, Berkeley. Three one-story five-room dwellings.
Owner—C. S. Nichols, 6008 Foothill Blvd., Oakland.
Architect—None.
Day's work. COST, $2000 each

ALTERATIONS
(389) HASTE AND TELEGRAPH AVE., Berkeley. Alterations.
Owner—Stanislaus Investment Co.
Architect—None.
Contractor—T. P. Butterfield, El Cerrito, Cal.
COST, $1000

ALTERATIONS
(390) NO. 2112 SHATTUCK AVE., Berkeley. Alterations.
Owner—W. E. Woolsey.
Architect—None.
Contractor—F. W. Thaxter.
COST, $500

DWELLING
(391) NO. 2445 WEBSTER (rear), Berkeley. Two-story 6-room dwelling.
Owner—Emma E. Glover, Premises.
Architect—None.
Day's work. COST, $2500

DWELLING
(392) N WOOLSEY 200 W King, Berkeley. One-story 6-room dwelling.
Owner—C. A. Elsenius, 1633 Woolsey, Berkeley.
Architect—None.
Contractor—C. M. MacGregor, 470 13th, Oakland.
COST, $3975

DWELLING
(393) W ARDLEY 210 S Hampel, Oakland. One-story 6-room dwelling.
Owner—E. Maasberg, 3915 Greenwood Ave., Oakland.
Architect—None.
Day's work. COST, $4000

DWELLINGS
(394) S ALCATRAZ AVE 122 and 162 E Colby, Oakland. Two one-story 6-room dwellings.
Owner—R. J. Wright, 2214 Blake St., Berkeley.

Architect—None.
Contractor—Leslie R. Wilson, 2214 Blake St., Berkeley.
COST, $3900 each

ALTERATIONS
(395) NO. 1902 EIGHTY-EIGHTH Ave., Oakland. Alterations and additions.
Owner—Marinus Pedersen, 1431 90th Ave., Oakland.
Architect—None.
Day's work. COST, $400

DWELLING
(396) N E-SIXTEENTH 120 E 29th Ave., Oakland. One-story 5-room dwelling.
Owner—Skoomand & Peterson, 1413 Madison St., Oakland.
Architect—None.
Day's work. COST, $3000

STORAGE PLANT
(397) NW COR. FIRST AND MARKET Sts., Oakland. Three-story brick cold storage plant.
Owner—National Ice & Cold Storage Co., Second and Market, Oakland.
Architect—None.
Contractor—Nelson & Forsyth, Easton Bldg., Oakland.
COST, $150,000

DWELLING
(398) W HOWE 250 N Mather, Oakland. One-story 4-room dwelling.
Owner—Oscar B. Olsen, 4351 Howe St., Oakland.
Architect—None.
Day's work. COST, $2500

ALTERATIONS
(399) NO. 172 MOSS AVE., Oakland. Alterations.
Owner—W. H. Coleman, Premises.
Architect—None.
Contractor—B. F. Woolley, 706 San Pablo Ave., Albany.
COST, $490

ADDITION
(400) NO. 931 MARKET, Oakland. Addition.
Owner—A. J. Barton, Premises.
Architect—None.
Day's work. COST, $400

ALTERATIONS
(401) NO. 1504 SEVENTH, Oakland. Alterations.
Owner—F. A. Braun, 744 Wesley Ave., Oakland.
Architect—None.
Day's work. COST, $550

ALTERATIONS
(402) NO. 535 SIXTEENTH, Oakland. Alterations.
Owner—M. Katich.
Architect—None.
Contractor—John Perona, 570 Seventh, Oakland.
COST, $1000

DWELLING
(403) N GARRISON ST. 40 W Mabel, Berkeley. One-story, 3-room dwelling.
Owner—Coerl Metze, 1087 67th St., Oakland.
Architect—None.
Day's work. COST. $800

ADDITION
(404) 4815 CALAVERAS AVE., Oakland. Addition.
Owner—Mrs. Ema Gutleben, Premises.
Architect—None.
Day's work. COST, $1000

APARTMENTS
(405) W COLLEGE AVE. 100 S Forest St., Oakland. Two-story 24-room apartments.
Owner—Ed. Bergenholts, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland.
COST, $21,000

DWELLING
(406) N GLENDORA AVE. 200 W Edgewood, Oakland. One-story, six-room dwelling.
Owner—W. E. McChesney, 1315 San Luis Ave., Oakland.
Architect—None.
Day's work. COST, $4,000

SCHOOL
(407) S HAWTHORNE 150 W Broadway, Oakland. One-story school.
Owner—Knights of Columbus.
Architect—None.
Contractor—J. J. Power, 774 20th St., Oakland.
COST, $4000

DWELLING
(408) W MACLELAND 130 N Calaveras, Oakland. One-story, 5-room dwelling.
Owner—Mrs. Ellis.
Architect—None.
Contractor—T. M. Webb, 4663 Fair Ave., Oakland.
COST, $3500

SHOP
(409) E PIEDMONT AVE. 65 S Ramona, Oakland. One-story florist shop.
Owner—Mrs. David Shields, 4432 View St., Oakland.
Architect—None.
Contractor—John Tauby, 3853 Piedmont Ave., Oakland.
COST, $412

RESIDENCE AND GARAGE
(410) LOT 12, BLK E, "THE OAK," Piedmont. One and one-half story frame residence and garage.
Owner—H. C. Stormer, 5464 Broadway, Piedmont.
Architect—None.
Day's work. COST, $3900

DWELLING
(411) W WOODRUFF AVE. 35 N E-37th St., Oakland. One-story, 5-room dwelling.
Owner—A. Stenbro, 2122 Vicksburg St., Oakland.
Architect—None.
Day's work. COST, $3500

DWELLING
(411) LOT 40 Map Broadmoor Addition, San Leandro. All work for one-story 6-room dwelling.
Owner—Frank A. Cianciarulo, 1730 West St., Oakland.
Architect—None.
Contractor—J. B. Peppin, San Leandro.
Filed Feb. 21, '20. Dated Jan. 28, '20.

| | |
|---|---|
| Frame up | ¼ |
| Plastered | ¼ |
| Completed | ¼ |
| Usual 35 days | ¼ |

TOTAL COST, $3574

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES

### Alameda County

Feb. 13, 1920—BLOCK BOUNDED BY First, Castro, Market Sts. and the Estuary, Okd. Pacific Gas & Electric Co to Pacific Tank & Pipe Co. .....Feb. 9, 1920
Feb. 16, 1920—E HARRISON 658 N 12th N 56xE 150, Okd. Oakland Garage to Nelson Forsyth.Feb. 7, 1920
Feb. 17, 1920—SW 60 LOT 6 Blk 1, Broadmoor, San Leandro. Nell G Williams to Alex C Wieben.....Feb. 16, 1920
Feb. 17, 1920—PASSENGER DEPOT Grounds of S. P. Co. at Westerly terminus of 16th St., Okd. American Railway Express Co to Butler & Reilly.....Feb. 12, 1920
Feb. 17, 1920—NO. 2065 OAKLAND Ave, Piedmont. Sarah C Worcester to Fred Westlund.....Feb. 16, 1920
Feb. 18, 1920—LOT 10 BLK 8, Hollywood, ——. Emma Gosling to Alex C Wieben.....Feb. 12, 1920

## BUILDING CONTRACTS.

### Santa Clara County.

BUNGALOWS
VINE AND LOCUST NR. Colfax, San Jose. Four bungalows.
Owner—Barnett & Phelps, 7 N. First St., San Jose.
Architect—None.
Contractor—M. C. Welch, 435 S Second, San Jose.
COST, $2500 each

COTTAGE
REAR 252 SPENCER, San Jose.. Cottage.
Owner—R. R. Davidson, Premises.
Architect—None.
Contractor—Morrison Bros., Builders' Exchange, San Jose.
COST, $1800

ALTERATIONS
NO. 102 W Humboldt, San Jose. Alterations.
Owner—Sofia Moran, San Jose.
Architect—None.
Day's work. COST, $2500

RESIDENCE AND STORE
EMPIRE AND SEVENTEENTH, San Jose. Residence and store.
Owner—G. Guinnepolis, San Jose.
Architect—None.
Contractor—Al. Compton, 547 N 17th St., San Jose.
COST, $7,000

COTTAGE
BIRD AVE. opp. Hull, San Jose. Five-room cottage.
Owner—F. L. Bruch, 1019 Bird Ave., San Jose.
Architect—None.
Contractor—A. F. Haskins, 235 W St. James, San Jose.
COST, $4460

HOUSE
NO. 1513 E SANTA CLARA ST., San Jose. Five-room house.
Owner—O. P. Sider, 1509 E Santa Clara St., San Jose.
Architect—None.
Day's work. COST, $1800

COTTAGE
ELEVENTH NR. SAN CARLOS, San Jose. Six-room cottage.
Owner—J. J.Ouimet, San Jose.
Architect—None.
Contractor—Wm. Regel, 344 S 5th, San Jose.
COST, $5300

## BUILDING CONTRACTS.

### Fresno County.

DWELLING AND GARAGE
LOT A, BLK. 16 ALTA VISTA TRACT, Fresno. Dwelling and garage.
Owner—D. L. Newman, 1801-11 Mariposa, Fresno.
Architect—None.
Contractor—J. C. Clark, 203 Griffith-McKenzie Bldg., Fresno.
COST, $12,000

DWELLING AND GARAGE
LOT 2, NORTH HILL TRACT, Fresno. Dwelling and garage.
Owner—O. L. Markley, 1212 N Van Ness Ave., Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S 4th, Fresno.
COST, $3000

DWELLING
LOTS 2, 3, 4, BLK 9, ARLINGTON Heigths Tract, Fresno. Dwelling.
Owner—Joe Garnero, 3430 Madison St., Fresno.
Architect—None.
Contractor—F. C. Wilson, Fresno.
COST, $4800

DWELLING AND GARAGE
LOT 4, BLK. 13, HAZELWOOD. Dwelling and garage.
Owner—Reese & Atkins, 3643 Platt, Fresno.
Architect—None.
Day's work. COST, $3,500

DWELLING AND GARAGE
LOTS 11, 12, BLK. 4, ALLEN AND Binford Tract, Fresno. Dwelling and garage.
Owner—C. E. Orwig, Fresno.
Architect—None.
Day's work. COST, $3800

DWELLING
LOT 12, BLK. 3, WOODLAWN, Fresno. Frame dwelling.
Owner—J. P. Williams, 2530 Harvey, Fresno.
Architect—None.
Day's work. COST, $3500

REPAIRS
NO. 1319 "L" ST., Fresno. Repairs
Owner—Frank Lyman, 1218 Van Ness, Fresno.
Architect—None.
Contractor—H. Dickey, 150 Howard, Fresno.
COST, $3,000

REPAIRS
NO. 1923 FRESNO ST., Fresno. Repairs.
Lessee—Crown Printing Co, Premises.
Architect—None.

Contractor—J. C. Clark, 203 Griffith-McKenzie Bldg., Fresno.
COST, $1000

GARAGE
NO. 1960 S VAN NESS AVE., Fresno. Garage.
Owner—E. White, Fresno.
Architect—None.
Contractor—S. L. Allen, 530 Forthcamp, Fresno.
COST, $1500

DWELLING AND GARAGE
NO. 661 DUDLEY AVE., Fresno. Dwelling and garage.
Owner—R. S. Marshall, Fresno.
Architect—None.
Contractor—C. V. Smith, Fresno.
COST, $5000

ALTERATIONS
LOTS 11, 12, BLK. 39, Fresno. Alterations.
Owner—M. D. Hoffman, Fresno.
Architect—None.
Contractor—R. Pedersen Co., 446 Clark St., Fresno.
COST, $1500

STORE
LOTS 17, 18, BLK. 153, Fresno. Store.
Owner—W. A. Moore, 480 Orange St., Fresno.
Architect—None.
Contractor—S. L. Allen, 530 Forthcamp St., Fresno.
COST, $1800

DWELLING AND GARAGE
LOT 9, BLK. 24, ALTA VISTA TRACT, Fresno. Dwelling and garage.
Owner—L. M. Frederick, Fresno.
Architect—None.
Contractor—D. A. Cowan, 415 Glenn, Fresno.
COST, $12,000

ALTERATIONS
LOTS 1 TO 4, BLK. 138, Fresno. Alterations.
Owner—Dora Pipig, 1040½ "H" St., Fresno.
Architect—None.
Day's work. COST, $1600

DWELLING AND GARAGE
LOT 11, BLK 30, ALTA VISTA TRACT, Fresno. Dwelling and garage.
Owner—Edward Copland, 1384 College, Fresno.
Architect—None.
Contractor—E. H. Horner, N Clinton, Fresno.
COST, $4,200

ALTERATIONS
LOTS 12, 13, BLK. 86, Fresno. Alteration to apartments.
Owner—R. B. Hollingsworth, 1909 Amador, Fresno.
Architect—None.
Contractor—Trewhitt-Shields Co., 435 Rowell Bldg., Fresno.
COST, $6,000

DWELLING AND GARAGE
LOT 4, BLK. 11, N ELMHURST, Fresno. Dwelling and garage.
Owner—Shorb & Neads, 127 Fresno Ave., Fresno.
Architect—None.
Day's work. COST, $5,000

DWELLINGS AND GARAGES.
LOTS 19, 20, 21, BLK. 1, BOONE TCT., Fresno. Two dwellings and garages.
Owner—Wm. Ellis, 2637 Tulare, Fresno.
Architect—None.
Day's work. COST, $3,500 each

ALTERATIONS
NO. 1163 BROADWAY, Fresno. Alterations.
Owner—Radin & Kamp, 1931-7 Tulare, Fresno.
Architect—None.
Day's work. COST, $4560

Recorded Accepted
Feb. 1, 1920—LOTS 26, 27, BLK. 31, Belmont Add. Fresno. Chas. C. Bailey to whom it may concern.....Feb. 6, 1920
Feb. 13, 1920—LOTS 9, 10, BLK. 13, Reedley. Mark H. Edwards to whom it may concern ....Feb. 9, 1920

## COMPLETION NOTICE.

### Fresno County.

Recorded Accepted
Feb. 17, 1920—OIL WELL NO. 4, in section 5, 20-15. S. P. Co. to whom it may concern .....Feb. 12, 1919
Feb. 16, 1920—LOT 7, BLK. 9, ALTA Vista, Fresno. E. H. Smith to whom it may concern ....Feb. 4, 1920
Feb. 16, 1920—N 40 FT. OF LOT 9, Blk. 17, Wilson North Fresno Tract, Fresno. H. T. Humphreys to whom it may concern.....Feb. 9, 1920

## BUILDING CONTRACTS.

### Sacramento County.

RESIDENCE AND GARAGE
NO. 1030 FORTY-SECOND, Sacramento. Seven-room residence and garage.
Owner—J. A. McCullough, 1015 23rd, Sacramento.
Architect—None.
Day's work. COST, $7,200

RESIDENCE AND STORE
NO. 910 TWELFTH ST., Sacramento. Two-story residence and store.
Owner—B. L. Whittpen, Sacramento.
Architect—None.
Contractor—J. A. McCullough, 1015 23rd St., Sacramento.
COST, $10 900

REMODEL
NO. 1203 "J," Sacramento. Remodel theatre.
Owner—Ackerman, Harris & Klein, 281 O'Farrell St., San Francisco.
Architect—Weeks & Day, Phelan Bldg., San Francisco.
Contractor — Matthews Construction Co., Forum Bldg., Sacramento.
COST, $58,580

REMODEL
NO. 611 "G" ST., Sacramento. Remodel interior.
Owner—California Packing Co., Prem.
Architect—None.
Day's work. COST, $10,500

GARAGE
NO. 3005 FRANKLIN BLVD., Sacramento. One-story brick garage.
Owner—P. B. Rackliffe, 3001 Franklin Blvd., Sacramento.
Architect—None.
Contractor—W. B. Ladue, 2319 "O" St., Sacramento.
COST, $4,500

REMODEL
NO. 1017 TENTH ST., Sacramento. Remodel front of building.
Owner—I. F. Morris, Sacramento.
Architect—None.
Contractor—G. D. Hudnutt, 2031 "T" St., Sacramento.
COST, $2500

REMODEL
NO. 805 "K" ST., Sacramento. Remodel interior of hotel lobby.
Owner—F. M. Clunie, Premises.
Architect—None.
Contractor—G. D. Hudnutt, 2031 "T" St., Sacramento.
COST, $3,000

REMODEL
NO. 3009 "U" ST., Sacramento. Remodel building for four apartments.
Owner—H. R. Willis, Sacramento..
Architect—None.
Day's work. COST, $3000

WAREHOUSE
NO. 1215-31 FRONT ST., Sacramento. Warehouse.
Owner—W. A. Curtis, 2030 "M" St., Sacramento.
Architect—None.
Contractor—A. N. Norris, 3012 "G" St., Sacramento.
COST, $55,000

## BUILDING CONTRACTS.

### San Joaquin County.

GARAGE
EAST WEBER AVE. bet American and Stanislaus Sts., Stockton. Garage.
Owner—C. E. Stewart, 117 E Flora, Stockton.
Architect—None.
Day's work. COST, $12,000

REMODEL
E WASHINGTON bet. Eugenia and Della Sts., Stockton. Remodel.
Owner—Mrs. Ricker, 127 Della, Stockton.
Architect—None.
Day's work. COST, $1000

RESIDENCES AND GARAGES
W NORTH ST. bet. Orange and Pershing Drive, Stockton. Two residences and garages.
Owner—F. P. Dobson, 27 N Oak, Stockton.
Architect—None.
Days' work. COST, $4250 each

GARAGE
E WEBER AVE. bet Stanislaus and Grant Sts. Garage.
Owner—E. B. Stowe, 1241 N Hunter, Stockton.
Architect—None.
Day's work. COST, $10,000

REMODEL
HUNTER AND ROSE STS., Stockton. Remodel.
Owner—Beckie Lobasch, Stockton.
Architect—None.
Day's work. COST, $4,000

RESIDENCE AND GARAGE
LOT 2, BLK. 2, MOSS VILLA, Stockton. Residence and garage.
Owner—J. A. Allen, 312 S Tuxedo, Stockton.
Architect—None.
Day's work. COST, $2,825

RESIDENCE
LOT 3, BLK 1, MOSS VILLA, Stockton. Residence.
Owner—J. A. Allen, 312 S Tuxeda, Stockton.
Architect—None.
COST, $2800

RESIDENCE
LOT 1, BLK. 2, MOSS VILLA, Stockton. Residence.
Owner—J. A. Allen, 312 S Tuxeda, Stockton.
Architect—None.
Day's work. COST, $3,000

RESIDENCE
E-JEFFERSON ST., bet. California and American streets, Stockton. residence.
Owner—Geo. A. Hannewell, Stockton.
Architect—None.
Day's work. COST, $4,000

RESIDENCE
E-GEARY ST., North Stockton. Frame residence.
Owner—Jos H. Cox, Stockton.
Architect—None.
Day's work. COST, $2700

## COMPLETION NOTICE.

### San Joaquin County.

Recorded Accepted
Feb. 13, 1920—SEWER DISTRICT No. 1, Manteca. City of Manteca to W. F. Edwards .....Feb. 9, 1920

## UNIVERSITY EXTENSION COURSE ON REINFORCED CONCRETE CONSTRUCTION.

Reinforced concrete construction and applied mechanics are to be taught by the University of California Extension Division in a course to be given in San Francisco beginning next Tuesday evening. The instructor is William S. Sullivan, a civil engineer. The classes will meet in room H, the Ferry Building. The class in applied mechanics will meet at 7 p. m., and the classes in reinforced concrete construction at 8 and 9.

These courses are designed for the benefit of architects, draftsmen, contractors and men in allied work who wish technical information on the subject of construction.

### NEW DITCHING MACHINE

(Continued from page 4)

When necessary to load on cars it will do so on its own power.

One of the strong features of this ditcher is its light weight compared to other machines designed to do the same class of work done by this one The weight ranges from two to four tons according to size.

This ditcher is also adapted to clean ditches that have become fouled with vegetation or filled in with mud and sand.

The ditcher is not sold outright, but the machine is leased for a number of years, and the lessee given the exclusive right to the territory in which he wants to operate.

The rental is six cents per cubic yard of dirt moved with a minimum of $1500 per month for the period of the year in which the machine is able to work, say from seven to nine months.

The lessee must advance the cost of constructing the machine—about $6,000—and this money must be left in the hands of the company as a guarantee both of the rental and also of the return of the machine in good condition at the expiration of the lease.

Territory is now being parceled out in the Pacific Coast States.

### TRADE IN PAINT AND VARNISH AT ROSARIO.

[Consul Wilbert L. Bonney, Rosario, Argentina.]

There is a fair market in northern Argentina for paints and varnishes, enamels, white lead, and colors in lump and powder. The British are the principal factors, as they have been for a long time, owing to their facilities for handling and selling. Paint is handled largely through hardware and machinery houses. There is one special paint store in Rosario. The paint and varnish business is divided among a large number of houses, some making a feature of these lines, while others carry them merely to supplement their stock, as they do rope and twine. There are representatives of 26 British and 14 American paint factories and of 11 British and 5 American varnish factories in Argentina, besides a few French, Dutch, and Argentine firms, resulting in the scattering of this business in many hands. Before the war the United States had a very small share of the business in varnish prepared colors, and colors in lump, but was well represented in the importation of enamel paint.

**Chief Paint Imports from United States—Turpentine and Linseed.**

The itemized imports by countries, for 1918, are not at hand, but the values of imports from the United States into Argentina for the fiscal years 1917 and 1918 were as follows in United States currency:

| Kinds | 1917 | 1918 |
|---|---|---|
| Lampblack | $ 12,371 | $ 30,749 |
| Other dry colors | 153,578 | 51,870 |
| Red lead | ..... | 38,838 |
| White lead | 148,118 | 414,767 |
| Mixed paints | 35,492 | 196,002 |
| Varnish | 55,902 | 124,640 |
| Oxide of zinc | 21,222 | 42,678 |
| All other | 203,582 | 274,024 |

Imports of turpentine into Argentina in 1913 amounted to 551,000 gallons; in 1915, 497,000 gallons; and in 1916, 459,000 gallons.

Argentina is a producer of linseed oil, and facilities for crushing are being extended. There is every reason to believe that the country will shortly become a very important factor in the linseed oil market of the world.

**Total Paint Imports at Rosario—Market Conditions.**

The total importation direct to Rosario of the articles classified by the customhouse as "paints and dyes," based upon the arbitrary low valuations in use, for a series of years has been as follows: In 1914, $83,469; 1915, $36,462; 1916, $59,651; 1917, $55,192; 1918, $20,626. The decrease in 1918 means little more than the increasing tendency to clear goods through Buenos Aires customhouse for the Rosario district.

An American company was licensed about a year ago to manufacture paint, export metals, and work mines in Argentina, with a capital of $106,250. A considerable portion of the import business in paint, colors, and varnishes is handled by American manufacturers' agents, who have offices in both New York and Buenos Aires. While the business is quite large as a whole, it is believed that it is divided to such an extent that there is not any excessive profit in it for any single importer. Local manufacture from imported materials will doubtless expand and improve.

**Chief Uses of Paint in Rosario District.**

The railway shops are the largest consumers of varnish and paint, as the railways and other large service companies, as well as exploitation and development companies, are owned by European capital, that part of the market can scarcely be said to be open.

Buildings are not constructed of lumber; wood is used only for door and sash and interior finish. Paint is used for covering plastered walls, both interior and exterior, and for galvanized surfaces, bridges, tanks, etc. Small consumers prefer ready-prepared paint, stain and varnish. All kinds of paints are sold, and hardware stores are expected to keep it, but no organization of the selling business in paints seems to have been attempted.

[A list of important dealers in paint and varnish in Rosario, Argentina, may be obtained from the Bureau of Foreign and Domestic Commerce or its district and co-operative offices by referring to file No. 1210.]

### LATIN AMERICAN TRADE NOTES.

[File numbers cited refer to reserved information or trade lists, which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or co-operative offices.]

**Proposed Freight Service Between Islands of the West Indies.**

The Royal Mail Steam Packet Co. proposes operating a general freight service between Jamaica, Cuba, northern ports of Haiti and the Dominican Republic, Porto Rico, and the Virgin Islands as soon as its ships are released by the British Admiralty, which it anticipates will be within this month. The purpose of this service will be to collect freight among the islands of the West Indies to be carried from Jamaica by the company's line of steamers now operating between that island and England.

**Export of Iron Ore from Ensenada District, Lower California.**

A shipment of 72 tons of iron ore was made recently by Los Angeles interests from San Isidro, a point on the Pacific coast 35 miles south of Ensenada, to Los Angeles, a distance of approximately 200 miles, where a test to determine the feasibility of operations on a large scale was to be made.

The iron deposits near San Isidro are extensive, and considerable ore is uncovered, although practically no development work has been done. The sample just shipped for the smelter run was taken from the surface and is said to carry about 60 per cent of metal. These deposits lie close to the shore and in an undeveloped country. At present there are no loading facilities, but it would be practicable to install an overhead cable to convey the ore direct from the mine aboard ship. Mining the ore presents no difficulties and the commercial possibilities depend on success in its smelting at Los Angeles which is the logical point for the ore reduction.

### SEWER WORK PLANNED.

VALLEJO, Solano Co., Cal.—T. D. Kilkenny, City Engineer, has completed preliminary surveys for the proposed sewer district in the nothern portion of the city and will present same to the City Council in the near future. Alf. E. Edgecumbe is City Clerk.

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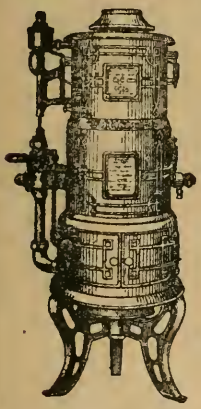

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J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## HIGHWAY MAINTENANCE.

### IX.

By G. M. N.

We have consistently and persistently pointed out that it is worse than useless to build roads that do not take into consideration the traffic that is bound to **originate** and **develop** in the locality through which the road is built.

To take eighteen million dollars or for that matter the whole seventy-three million dollars and say, "we want so many miles of road, and we have so much money, divide the miles into the dollars and we have the amount we can spend on each mile; ergo, we can only get a four-inch concrete slab sixteen feet wide," is not engineering.

That solution of the problem is a school boy's solution and not an engineer's solution, but how can you get an engineer's solution to your problem when you do not employ engineers but only professors and schoolboys.

An engineer tackles his problem from an entirely different angle, for engineering and engineers were developed out in the open in the task of conquering and harnessing nature in the service of man and **not** in the classroom, and engineering experience, even the engineering failures, teaches us far more than any nicely worded hypothesis or suppothesis ever did.

To further emphasize our views in this matter and show that the practical engineers all over the country are taking the same stand in this matter, we shall extract from an article which appeared in the publication of the U. S. Bureau of Public Roads for October-November, 1919:

## ROADS FOR MOTOR TRUCK TRAFFIC.

By C. J. Bennett, State Highwny Commissioner, Connecticut.

It is hard for the highway engineer to keep step with the advance in the design of motor vehicles. No sooner does he apparently solve the problem than his friends who are in the business of producing motor vehicles develop a machine which entirely revolutionizes conditions.

Generally, in the design of this vehicle, no attention is paid to the character of the road over which these units must operate. Considerable discussion could be aroused over the wisdom of designing motor trucks and motor vehicles with such a disregard for the conditions, but it is not the province of this article to originate such a discussion, chiefly because the motor truck is here, and we must redesign our roads to take care of this agency.

A discussion of the economic side of this question, as to whether it is right to design something that will take the place of railroad facilities instead of trying to improve such railroad facilities, is also beside the mark. Thus, there are many instances where, contrary to his judgment, the highway engineer is forced to change his ideas and design for traffic which up to two years ago was almost beyond imagination.

### Halfway Measures of no Avail.

It is the intent of this article to convince the highway engineer that he is faced with a serious problem and to show him that halfway measures will not avail for its solution. Notwithstanding restrictions as to the weight, loading, size, speed, and width of motor trucks, these will gradually increase, and there must be co-operation between the producer of these trucks and the highway engineer in order that the engineer may know the extreme limit beyond which he must not be required to go in the design of highways. This discussion will not include a discussion of road surfaces necessary for passenger-car traffic, since the road that will serve the motor truck will probably well serve the passenger automobile.

For purposes of argument, let us assume, therefore, that the extreme weight of the motor vehicle, including the load, shall be 15 tons, that its width shall not exceed 9 feet, and that its load per inch width of rubber tire shall not exceed 700 pounds. The speed of this vehicle should be restricted so that it would at all times be under reasonable control, particularly in sections where houses or buildings are close together along the borders of the highway over which the truck is to be operated.

It will be noted that the limit of weight and size has been set quite high in order to do away with any objection on that particular point from the manufacturer.

### Questions to Be Settled.

We now have a statement of our problem which gives rise to three questions:

First. What shall be the width of the road?

Second. What shall be its character both as to surface and foundation?

Third. What shall be done with the bridges at present existing?

Answering the first question, let us assume that the motor truck is to operate over a highway traversed by a maximum of 4,000 vehicles per day. With reasonable traffic restrictions, a width of 22 feet should be sufficient for this class of traffic. This will provide for two lines of vehicles to pass in opposite directions at high speed. For any highway in which the traffic exceeds the amount stated above sufficient width should be provided for three or four lines, adding 10-foot-width units at a time for each line of vehicles.

As was stated above, no attention has been paid to the economic side of this problem or to the wisdom of building roads of this character for a selected type of traffic. What we are attempting to do is to state fairly what is necessary to accommodate the classification of traffic that already exists.

### Type of Road to Be Used.

Answering the second question as to the type of road to be used, this question subdivides itself (a) as to foundation and (b) as to surface. With traffic of the character and magnitude specified above, great care must be taken in the foundation, both for the road itself and for the road surface. In cases of difficult soil conditions, additional foundations must be added and drainage provided to carry away the water so that the general subsurface of the road itself shall be uniform and sufficient to transmit the surface concentrated loads evenly to the earth beneath. It is evident, at least to the writer, that if the character of the traffic is as stated above, any foundation other than a monolithic foundation would be unsatisfactory; that is, no loose stone foundation will be sufficiently strong at all times to carry the loads. Consequently, the foundation for the surface must be bound together with Portland cement or with a bituminous binder. Again, it is not the purpose of this article to specify any particular method of getting results. It is merely intended to generalize and point the way to success.

(b) What shall be the type of road surface for this class of traffic? Here, again, we are faced with the necessity of securing a road surface which will stand impact from the passing loads and wear evenly under the stress of

# Proposed Schedule of Salaries for Engineers in State Highway Service.

## ADMINISTRATIVE AND EXECUTIVE POSITIONS.

| | | |
|---|---|---|
| **CHIEF ENGINEER—** In charge of all construction and maintenance work of the department, acting as chief executive officer | $8,000 | $15,000 |
| **ENGINEER OF CONSTRUCTION—** In immediate charge of all construction work from time contracts are let. Assigned to state headquarters | 6,000 | 10,000 |
| **ENGINEER OF MAINTENANCE—** In charge of all maintenance work. Assigned to state headquarters | 6,000 | 10,000 |
| **ENGINEER OF BRIDGES—** In charge of preparation of specifications and designs for bridges, and in charge of construction of special bridges. Assigned to state headquarters | 5,000 | 8,000 |
| **OFFICE ENGINEER—** In general charge of preparation of plans and specifications for all conatruction work up to the point of letting contracts. Assigned to state headquarters | 5,000 | 8,000 |
| **ENGINEER OF TESTS—** In general charge of labratory routine tests, investigations, material surveys and field inspection of materials | 4,000 | 7,000 |
| **DISTRICT ENGINEER—** In charge of all construction and maintenance work in a division or district of the state, generally including a number of counties. Assigned to division headquarters | 5,000 | 8,000 |

## ENGINEERING POSITIONS INVOLVING SOME ADMINISTRATIVE DUTIES IN THE HIGHER GRADES.

| | | |
|---|---|---|
| **ADVISORY AND CONSULTING ENGINEER TO THE CHIEF ENGINEER** | 5,000 | 10,000 |
| **FIRST ASSISTANT ENGINEER—** Assigned to Construction Engineer at State headquarters. In general charge of office work in connection with execution of contracts | 3,600 | 5,000 |
| **FIRST ASSISTANT ENGINEER—** Assigned to Division Headquarters. In gen- state headquarters. In general charge of office work in connection with maintenance | 3,600 | 5,000 |
| **FIRST ASSISTANT BRIDGE ENGINEER—** Assigned to Engineer of Bridges at state headquarters. In charge of bridge drafting room and responsible for bridge specifications and bridge designs | 3,000 | 5,000 |
| **FIRST ASSISTANT ENGINEER—** Assigned to Division Headquarters. In general charge of division headquarters office | 3,600 | 5,000 |
| **ASSISTANT ENGINEERS—** Assigned to Construction Engineer at state headquarters. Duties as assigned | 2,400 | 4,000 |
| **ASSISTANT ENGINEERS—** Assigned to Maintenance Engineer at state headquarters. Duties as assigned | 2,400 | 4,000 |
| **ASSISTANT ENGINEERS—** Assigned to Bridge Engineer at state headquarters. Acting as especially skilled draftsmen, designers and computers | 2,400 | 4,000 |
| **ASSISTANT ENGINEERS—** Assigned to Office Engineer at state headquarters. Preparing and checking specifications and plans as received from division offices. Work as assigned | 2,400 | 4,000 |
| **CHIEF CHEMIST—** Assigned to Engineer of Tests at state headquarters. In charge of the chemical work of the laboratory | 3,500 | 5,000 |
| **ASSISTANT ENGINEERS—** Assigned to division headquarters. Some in charge of construction, others in charge of maintenance, both field and office work as assigned | 2,400 | 4,000 |
| **ASSISTANT ENGINEERS—** Assigned to laboratory work. Tests and investigations in laboratory, field examinations and reports on sources of materials as assigned | 2,400 | 4,000 |
| **ASSISTANT CHEMISTS—** Assigned to laboratory | 2,000 | 4,000 |
| **CHIEF DRAFTSMEN—** Assigned to division headquarters. In charge of division headquarters drafting room and the preparation of plans | 2,400 | 4,000 |
| **CHIEFS OF SURVEY PARTIES—** In charge of surveys and relocations; during time spent in office, work on plans and computations as assigned | 2,400 | 4,000 |

## INSPECTION SERVICE.

| | | |
|---|---|---|
| **CONFIDENTIAL INSPECTORS—** Assigned to Chief Engineer. Report only to Chief Engineer on work of all character wherever it may be. Positions of peculiar responsibilities, represent the chief engineer | 4,000 | 5,000 |
| **GENERAL INSPECTORS OF MAINTENANCE—** Assigned to state headquarters | 2,400 | 4,000 |
| **INSPECTORS OF BRIDGE CONSTRUCTION—** Assigned to Bridge Engineer at state headquarters. Inspecting construction of the larger bridges only. Work inside on bridge plans and design as assigned | 2,400 | 4,000 |
| **FIELD INSPECTOR OF MATERIALS—** Assigned to Engineer of Tests at state headquarters. Inspection of materials in the field and at point of manufacture | 2,400 | 4,000 |
| **INSPECTORS OF CONSTRUCTION—** Assigned to Division Engineers at division headquarters. Inspect construction reporting to division engineers, or a number of inspectors may be under immediate charge of some assistant engineer to whom they make immediate reports | 2,400 | 3,000 |
| If inspectors are employed during working season only to receive per month | 250 | 300 |
| Inspectors working the year around are at division offices during winter on plans, estimates and computations, as assigned. | | |

## JUNIOR ENGINEERING POSITIONS CONCERNED WITH ROUTINE WORK ONLY.

| | | |
|---|---|---|
| **ENGINEERING, DRAFTSMEN, COMPUTERS, CHECKERS, ESTIMATORS—** Assigned to state headquarters | 1,800 | 2,400 |
| **TRACERS, COMPUTERS, CHECKERS—** Assigned to bridge engineer | 1,800 | 2,400 |
| **ENGINEER DRAFTSMEN—** Assigned to division headquarters. Preparation of plans, computations, estimates, checking | 1,800 | 2,400 |
| **INSTRUMENT MEN—** Transitmen and levelers. Those employed the year around work inside division offices part of time on plans, computations and estimates | 1,800 | 2,400 |
| If employed by month during construction season only they should receive per month | 200 | 250 |
| **RODMEN AND CHAINMEN** | 1,200 | 1,500 |
| **LABOHATORY ASSISTANTS—** Routine testing, laboratory records | 1,800 | 2,400 |

All engineers working away from state or division hea dquarters to which they may be assigned are to receive traveling and subsistence expenses.

This schedule not to operate to reduce any salaries no w existing.

traffic. Consequently, no road surface should be installed for this character of traffic which does not closely approximate the surface of the highest type of city pavements which are now constructed. Such surfaces may be of brick, of concrete properly prepared, or of bituminous material, or even of granite block. In other words, in order that the roads which we build may stand the traffic to which they will probably be subjected, no pavement should be designed unless it is a hard surface pavement or can easily be transformed into such when the necessity arises.

**Selection of Route Vitally Important.**

It is, of course, idle to assume that roads of this character can be built everywhere. Consequently, the selection of routes for such traffic is of vital importance, and the road construction of this type should be concentrated on these routes, and conversely the traffic itself should be required to follow the route. In other words, there should be a restriction as to the roads upon which the heavy motor trucks should operate.

Answering the third question, in consideration of the bridges, this is a serious question because we have a large investment in highway bridges which are in fairly good condition and which were never designed for such heavily loaded vehicles as we find above. Many of these bridges, especially those of shorter span can be strengthened so as to carry these excess loads. The larger, and of course most expensive bridges, cannot be expected to stand up under these strains, and must be replaced with structures designed to meet the changing conditions. The construction of such bridges will mean an enormous expenditure of money, and great care should be taken in their design, both as to selection of type and execution of the work itself. The use of reinforced concrete is strongly recommended for bridges where it is possible to design such structures and such bridges should not be designed without careful study and the knowledge of all the factors that enter into the problem. The width of these bridges should be sufficient to accommodate at least three lines of vehicles and, on the important routes, four.

**Must Meet Problem Fairly.**

The above may appear to be a very extravagant statement of the needs of traffic at the present time, but the writer has come to believe that the motor truck is a vital part of our transportation facilities and that it has come to stay, and we must meet the problem fairly by designing for an extreme load approximating that stated above. He also believes that the motor truck manufacturer must restrict himself within the limits stated, and not attempt to exceed in any dimension the specifications made.

The motor truck operator must also use judgment in the loading and operation of these vehicles and consent to restrictions both as to dimensions and routing, so that the general public welfare may be served.

**HELP WANTED.**

DRAFTSMEN—Mechanical, wanted. State experience and salary expected. Address Williams, Diamond & Co., 310 Sansome St. tf 2-25, '20

**American Association of Engineers.**

The Committee of the American Association of Engineers on Salaries of Engineers in Public Service invites discussion of the schedule for engineers in state highway service before presenting it to the Association for final adoption.

In appointing the committee last June, the Board of Directors gave it authority to add to its personnel, with the approval of the President, representatives of the several branches of public service engineers in order that the schedules as finally adopted should not only harmonize with reference to each other, but that they should be generally accepted as stating the value of engineering service to the public, hence what it should pay for such service. In discussing the schedules sent out from time to time engineers should therefore bear in mind that the endeavor of the committee is not to standardize and classify engineering service, but to price this service.

The Committee on Salaries of Engineers in Public Service consists of S. C. Haddon, Editor of "Municipal & County Engineering," J. H. Prior, Consulting Engineer on Public Utilities, Chicago; A. R. Hirst, State Highway Engineer, Wisconsin; F. H. Newell, President of the Association, and A. N. Johnson, Chairman, Consulting Highway Engineer of the Portland Cement Association.

Preliminary to drafting the schedule for highway engineers, the following were invited to serve as corresponding members of the committee: Thos. H. McDonald, Chief of the U. S. Bureau of Public Roads; W. L. Passet, Bureau of Municipal Research, New York; Col. W. D. Uhler, Chief Engineer, Pennsylvania State Highway Department; A. B. Fletcher, State Highway Engineer of California; A. W. Dean, Chief Engineer, Massachusetts Highway Commission, and Clifford Older, Chief Engineer Illinois State Highway Department.

It is to be realized that the accompanying schedule is not an outline of organization. But in order that each state organization may readily place each person within it, it has been thought best to enumerate in considerable detail the description of the various positions even at the expense of some apparent repetition. The grouping of the various positions is clear from the captions.

Kindly acquaint all highway engineers with the schedule. It is suggested that at state capitols or other headquarters a meeting be held of the highway engineers of the department.

Discussion of this schedule is particularly invited from the younger engineers in each department.

In order that the schedule for highway engineers may be formally adopted in time for inclusion in budgets for the coming year, it is necessary that any comments or suggestions be received by the committee not later than October 15.

A. N. JOHNSON,

Chairman Committee on Salaries of Engineers in Public Service, American Association of Engineers.

National Headquarters,
63 East Adams St., Chicago.

**RAILWAY EXTENSIONS AND IMPROVEMENTS IN BRAZIL.**

[Commercial Attache J. E. Philippi, Rio de Janeiro.]

The President of Brazil has asked Congress for a special credit of 50,000 contos of reis (approximately $12,500,000) for the purchase and installation of the necessary material and rolling stock for the railways owned or operated by the Government and for permission to revise the existing concontracts with privately owned companies so that the necessary funds for the purchase of material may be secured.

The most urgent requirements of the railways in Maranhao, Ceara, Bahia, Sergipi, Espirito Santo, and Minas Geraes will be supplied by the Federal Government out of this 50,000 contos appropriation. The State of Santa Catharina has arranged a loan of $5,000,000 in the United States, and the greater portion of this money will be employed in railway construction and extension, interurban lines, and public utilities. The State of Parana is trying to float a loan along similar lines. It is presumed, likewise, that the most urgent requirements of Para's State-owned railway will be taken care of in the 15,000-contos advance now being negotiated by that State with the Federal Government. Sao Paulo is reported to be in an excellent financial condition and can, therefore, look after its own railway requirements, while the lines of the prosperous State of Rio Grande do Sul have already placed orders with the United States and Belgium for rolling stock and maintenance materials totaling about 10,000,000 francs and seem entirely able to meet all expenditures with capital owned by the company.

The railway system of the States of Pernambuco, Alagoas, Parahyba, and Rio Grande do Norte do not require additional rolling stock at present, but contemplate spending £3,000,000 in improvements of right of way, bridges, and extensions during the next few years if certain changes can be obtained in their contract with the Brazilian Government which would warrant such improvements.

**BANK DEPOSITS INCREASE.**

WASHINGTON.—National banks' deposits in reserve and central reserve cities increased $193,385,000 between November 17 and December 31, according to figures made public by John Skelton Williams, Comptroller of the Currency. Of the sixty-two reporting cities, forty-four showed an aggregate increase of $277,911,000, with an aggregate reduction of $84,526,000 in the remaining twenty-two.

The increase in the three central reserve cities of New York, Chicago and St. Louis amounted to $130,605,000.

Cities whose national banks showed an increase of deposits of $5,000,000 or more were: New York, $103,000,000; Chicago, $24,000,000; Dallas, $22,000,000; Philadelphia, $19,000,000; Baltimore $15,000,000; New Orleans and Louisville, $10,000,000 each; Pittsburgh, $7,000,000, Jacksonville and Nashville, $6,000,000 each.

Geographically, reserve cities in the Southern States showed the largest net increase, $44,193,000. The net increase of $1,519,000 was reported

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES

Plans Being Prepared.
APARTMENTS Cost, $40,000
SAN FRANCISCO. N Pine bet. Jones and Leavenworth Streets.
Three-story and basement frame, brick veneer and stucco apartments with roof garden (6 4 and 2 3-room apts.)
Owner—Withheld.
Architects—Fabre & Thayer, 110 Sutter St., San Francisco.

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Completing Plans. Ready for Figures Saturday.
APARTMENTS Cost, $14,000
BERKELEY, Alameda Co., Cal. Le Roy near Buena Vista.
Two-story frame apartments (4 3-room apts.)
Owner—Miss Marie Boutin, 1547 Le Roy, Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
SPECIFICATIONS
Exterior Finish, cement plaster; hardwood; Plumbing, automatic water heaters.

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Foundation Contract Awarded. Bids Wanted for Brick Work.
ADDITION Cost, $60,000
SAN FRANCISCO. N McAllister Street Bet. Leavenworth and Hyde Sts.
Five-story and basement steel and concrete addition to apartment house (35 2-room apts.) Argyle Apartments.
Owner—Edw. Rolkin.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
**Concrete Foundations, etc.**, awarded to Chas. Sartori, 110 Jessie St.
The carpentry work will be done by days labor.
Figures are now being taken for brick work.

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Sub-contracts Awarded.
APARTMENTS Cost, $175,000
BERKELEY, Alameda Co., Cal. Telegraph Ave. near Channing Way.
Five-story reinforced concrete apartment house (34 apts.)
Owner—Dr. A. Galbraith.
Architect—Clay M. Burrell, 1st Trust Bldg., Oakland.
Contractor—Palmer & Petersen, Monadnock Bldg., San Francisco.
**Mill Work** to Oakland Planing Mill Co.
**Plastering**—G. Michaels, 1341 107th Ave., Oakland.
**Plumbing and Heating**—The Turner Co., 272 Natoma St., San Francisco
**Electric Work**—Spott Elec. Co., 2264 Broadway, Oakland.
**Hardwood Floors**—Royal Floor Co., 110 Jessie St., San Francisco.
**Painting**—D. Zellinsky, 422 Turk St., San Francisco.
**Finish Hardware**—Maxwell Hardware Co., Oakland.
**Tile**—Rigney Tile Co., 180 Jessie St., San Francisco.
**Galvantzed Iron**—Robert Dalziel Jr., 215 Washington St., Oakland.
**Roofing**—Mallott & Peterson, Monadnock Bldg., San Francisco.

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Plans Prepared.
ADDITIONS, ETC. Cost, $10,000
SAN FRANCISCO. W Scott 127-8 N Jackson Street.
Add 3 rooms for apartments and make other alterations.
Owner—Nathan L. Bell.
Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.

### BANKS

Sub-Bids Being Taken.
BANK BUILDING Cost, $——
KINGSBURG, Fresno Co., Cal.
Brick and concrete bank building.
Owner—Kingsburg Bank, Kingsburg.
Designer & Contractor—Anton Johnson, Kingsburg Bank Bldg., Kingsburg, Cal.
Contracts for terra cotta and steel have been awarded to N. Clark & Sons and W. B. Kyle, of San Francisco, respectively.
Bids are now being taken for plumbing, heating, painting and decorating, vault doors, brick work, mill work and bank fixtures.

### BONDS

ORLAND, Glenn Co., Cal.—Bonds of $22,000 have been voted to provide funds with which to erect an addition to the present high school building.
Architect W. H. Weeks, 75 Post St., San Francisco, is preparing plans for the proposed addition.

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OLINDA, Shasta Co., Cal.—March 15th is the date set by the Directors of the Happy Valley Irrigation District to sell bonds of $100,000 with which to finance the completion of enlarging the canal irrigation system, work on which was started about two years ago. The construction of the Messelbeck dam, digging the Hoover Tunnel and extension and enlargement of the canals is included in the work.

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HAYWARD, Alameda Co., Cal.—The City Trustes have decided to call an election to decide the question of issuing bonds with which to purcahse and improve the present water system of the Hayward Water Company. The plant can be purchased for $92,500. In addition to the purchase price sufficient funds will be included to improve the system, including the change of the present steam pumping plant to an electric pumping system.
M. B. Templeton is City Clerk.

ORLAND, Glenn Co., Cal.—Steps are being taken by the Trustees of the Citrona Park School District to call an election to vote bonds of $12,000 to cover the cost of a new school building.

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TULARE, Tulare Co., Cal.—The City Trustees have received a petition urging the calling of an election to vote bonds of $125,000 with which to finance construction of a new city hall and auditorium building.
Plans have been prepared by Architects W. C. Perry and G. B. Sturgeon, Newhall Bldg., San Francisco.

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PHOENIX, Ariz.—The $500,000 high school bond issue carried at the special election. Three new buildings, a liberal arts building, gymnasium and manual arts building, will be erected at a cost of $460,000. Architects Lescher & Kibbey of Phoenix, have prepared preliminary plans. Forty thousand dollars will be spent on paving streets adjacent to the high school grounds.

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HAMILTON CITY, Glenn Co., Cal.—Bonds of $10,000 have been voted to finance construction of a gymnasium and manual training building at the Hamilton City High School.

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VALLEJO, Solano Co., Cal.—May 5th is the date set by the Board of Education to decide the question of issuing and selling bonds of $500,000 with which to finance construction of new school buildings.
Architect W. H. Weeks, 75 Post St., San Francisco, has submitted preliminary drawings for structures.

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ALTURAS, Modoc Co., Cal.—An election has been called in the Hot Spring Valley Irrigation District to decide the question of issuing and selling bonds of $100,000 with which to construct reservoirs, canals, etc., for irrigating that portion of the county embraced in the district.

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FRESNO, Fresno Co., Cal.—An election has been called in the Pershing School District for March 26th to decide the question of issuing and selling bonds of $19,000 with which to finance construction of a new school building.
Trustees of the District are: Carl W. McCollister, A. S. Tannahill and C. O. Sabroe.

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BIGGS, Butte Co., Cal.—Bonds of $45,000 have been voted to finance construction of an adequate sewer system. Construction will be started when the bonds have been sold.

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PARADISE, Butte Co., Cal.—The election held to vote bonds of $140,000 in the Paradise Irrigation District carried. Proceeds of the sale of the bonds will finance improvements in the district.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees have ordered that the memorial park project, backed by the American Legion of this section, be placed on the ballot for the April 12th election. It is proposed to issue bonds of $150,000 with which to finance construction of the proposed scheme.

## FACTORIES AND WAREHOUSES.

Plans Being Figured.
BUILDINGS Cost, $200,000
SANTA ROSA, Sonoma Co., Cal.
Two one and three-story reinforced concrete buildings.
Owner—California Packing Cptn., 101 California St., San Francisco.
Architect—Philip Bush, 101 California St., San Francisco.

Additional Contracts Awarded.
ADDITION Cost, $228,000
SAN FRANCISCO. Second and Bryant Streets.
Five-story mill construction with steel tower addition to lithograph plant also a steel and concrete press room building, 80x125, in rear.
Owner—Schmidt Lithograph Co., Prem.
Manager of Construction—Frederick Whitton, 369 Pine Street, San Francisco.

The following additional contracts have been awarded:
**Tile** to Rigney Tile Co., 180 Jessie St.
**Roofing** to Mallott & Peterson, Monadnock Bldg.
**Composition Flooring** to Klingstone Co., Humboldt Bank Bldg.
**Glass** to Habernicht & Howlett, 525 Clay Street.
**Marble** to Joseph Musto Sons-Keenan Co., 535 North Point Street.
**Steel Shutters** to Waterhouse-Wilcox, 523 Market Street.
**Sheet Metal Work** to Forderer Cornice Works, 269 Potrero Avenue.

To be Done by Days Work. Ready to Purchase Materials.
ELEVATOR. Cost, $——
STOCKTON, San Joaquin Co., Cal.
Reinforced concrete grain elevator.
Owner—Sperry Flour Co.
Architect—Maurice Couchot, 110 Sutter St., San Francisco.
NOTE:—Excavation will be started this week, all work will be carried on by the company's own force under the supervision of Mr. E. H. Eveleth.

Contract Awarded.
ADDITION Cost, $3,500 approximately.
SAN FRANCISCO. No. 1453 Mission.
One-story frame and glass room on roof of five-story building.
Owner—Gantner & Mattern, Premises.
Architects—Upton & Latham, 454 Montgomery St., San Francisco.
Contractor—Taylor & Jackson, Call Bldg., San Francisco.

Plans Being Prepared. Ready for Figures in a Few Days.
FRUIT DRYERS Cost, $——
CALIFORNIA AND OREGON. Various Cities.
Several one-story concrete and frame fruit dryers.
Owner—Pacific Evaporating Co., 425 1st National Bank Bldg., San Francisco.
Architect—Walter Falch, Hearst Bldg., San Francisco.

Plans Being Prepared.
ADDITION Cost, $6,000
SAN FRANCISCO. S Clay W of Stockton Street.
One-story hollow tile addition to three story Class "C" factory.
Owner—S. & G. Gump.
Architects—Upton & Latham, 454 Montgomery St., San Francisco.

Contract Awarded. Subfigures To Be Taken in a Few Days.
SERVICE STATION Cost, $20,000
SAN FRANCISCO. Bush St. and St. Anne.
One-story brick service station.
Owner—McDonough Estate.
Architect—Smith O'Brien, Bankers' Investment Bldg., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

SACRAMENTO—An option on the Liberty Iron Works has been taken for 60 days by C. A. Hennense of Vallejo and W. J. Hensen of San Jose, representing capitalists who contemplate engaging in the manufacture of farm tractors. Preliminary steps in the mater of incorporation were taken in the office of the comissioner of corporations by the two visitors, accompanied by their attorneys, Devlin & Devlin. Hennense claims to be the inventor of features now used in the manufacture of tractors and is reported to have large financial backing. It was stated by Emerson W. Read of the law firm that the concern probably will incorporate for $500,000.

SACRAMENTO, Cal.—The Sacramento Meat Canning and Packing Company petitioned the city commission to repeal an old ordinance adopted in 1872 forbidding the slaughtering of animals within the city limits. It was announced that with this ordinance out of the way the company will immediately erect on Tenth street, near the trestle below the Riverside baths, a large packing plant that will give employment to 200 people when completed. The company is incorporated for $500,000.

SAN FRANCISCO.—Bids were opened today by Engineer H. J. Brunnier, Sharon Bldg., for the plumbing and electric work in connection with the construction of the one and two-story reinforced concrete cheese curing plant for the California Central Creameries at Eureka. The following firms submitted the lowest bids and will probably be awarded the contracts:
**Electric Work**—Jansen Elec. Co. of Eureka, $3,892.
**Plumbing**— James & Drucker, 450 Hayes St., San Francisco, $5,000.

CHICO, Butte Co., Cal.—The construction of a $60,000 depot building for this city has been recommended by Wm. J. O'Connor, Director of the Sacramento Northern Railroad, also for the expenditure of $10,000 for a depot and other repairs at Durham, Butte County.

Sub-Figures Being Taken.
FACTORY BUILDING Cost, $60,000
SAN JOSE, Santa Clara Co., Cal. Old Luna Park.
One-story steel frame, brick and mill-type factory building, 90x360.
Owner—National Axle Co., San Jose.
Industrial Engineers & Builders—The Austin Co., Pacific Bldg., San Francisco.
Mr. John Harnish, District Manager, is taking figures for concrete and brick work, roofing, plumbing, painting, electric wiring, etc.

Sub-Figures Being Taken.
FACTORY Cost, $45,000
SAN FRANCISCO. Bosworth and Milton Streets.
One-story steel frame, brick and concrete factory, 120x200.
Owner—Ray Manufacturing Co.
Industrial Engineers & Builders—The Austin Co., Pacific Bldg., San Francisco.
Mr. John Harnish, District Manager, is taking sub-figures for concrete work, brick work, roofing, plumbing, painting, electric wiring, etc.

Sub-Figures to be Taken.
FACTORY Cost, $40,000
EMERYVILLE, Alameda Co., Cal. 40th and Adeline Streets.
One-story steel frame, brick and mill-type factory building, 120x234.
Owner—Johnson Electric Washer Co., Emeryville.
Industrial Engineers & Builders—The Austin Co., Pacific Bldg., San Francisco.
Mr. John Harnish, District Manager, is taking sub-figures for concrete work, brick work, roofing, plumbing, wiring, painting, etc.

## GARAGES

Plans Being Prepared.
GARAGE. Cost, $——
HAYWARD, Alameda Co., Cal. Castro Valley near Hayward.
One-story brick public garage.
Owner—R. F. Bucknam, 329 Castro St., Hayward.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Plans Being Figured.
AUTO SALESROOM AND GARAGE. Cost, $2,000.
RICHMOND, Contra Costa Co., Cal. NE 13th and Macdonald Avenue.
Two-story brick and reinforced concrete auto salesrooms and garage, 50x108.
Owner—Jas. McMullen.
Architects—Sidney B. and Noble Newsom, Nevada Bk. Bldg., San Francisco.

Contract to be Awarded.
REPAIR SHOP Cost, $——
SAN FRANCISCO. S Hayes Street bet. Franklin and Gough Streets.
One-story brick and concrete repair shop.
Owner—McClure Estate.
Architect—Fred'k. H. Meyer, Bankers' Investment Bldg., San Francisco.
Contractor—Jas. Pasqualetti, Humboldt Bank Bldg., San Francisco.

## GOVERNMENT WORK AND SUPPLIES

MARE ISLAND, Solano Co., Cal.—Authority has been received at Mare Island to expend the sum of $27,000 in removing the high power government

wireless at South San Francisco to Mare Island.

WASHINGTON, D. C.—The contract for the construction of a sheet pile bulkhead for Fog Signal and Lights, from bids opened by the Lighthouse Inspector, San Francisco, at Humboldt Bay, has been awarded to W. S. Selvage of Eureka at $4,698.70.

The only other bidder was the Mercer-Fraser Co., Eureka, at $4,750.

## HALLS AND SOCIETY BUILDINGS.

Plans to be Prepared.
LODGE BLDG. Cost, $——
OAKLAND, Alameda Co., Cal.
Class "A" lodge building.
Owner—Oakland Lodge Moose, W. J. Hamilton, Secretary, 12th and Clay Sts., Oakland.
Architect—Not Selected.

LOS ANGELES, Cal.—The University Club, now located in the Consolidated Realty Bldg., 6th and Hill Sts., has purchased a lot 135x165 ft. in size on the east side of Hope street between 6th and 7th streets, upon which a clubhouse will be erected. It is the plan of the club to erect an eight-story reinforced concrete clubhouse on 65 ft. of the frontage, a private garage for club members on the adjoining 60 ft., leaving a 10-ft. alley on the northerly side of the clubhouse building. The clubhouse will contain social and lounging rooms, billiard and card rooms, dining room, and three floors of sleeping rooms. The garage will be one-story, of reinforced concrete construction, the roof of which will be used for out-door games. As yet, no architect has been commissioned to prepare plans for the buildings.

Preliminary Estimates Being Made.
ADDITION Cost, $100,000
SACRAMENTO, Cal. No. 331 "J" St.
Addition 20x60 to five-story fireproof bank and club building (extensive alterations and additions to the 4 upper floors occupied by the Sutter Club).
Owner—California National Bank, Premises.
Architect—E. C. Hemmings, 1203 "J" St., Sacramento.

## HOSPITALS

Plans Being Figured. Bids Close Mar. 12th, 10:30 A. M.
EQUIPMENT FOR HOSPITAL Cost, $——
AHWAHNEE, Madera Co., Cal.
Epulpemnt for Tri-County Tubercular Hospital.
Owner—Tri-County Tubercular Hospital Committee, V. D. Whitmore, Chairman.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Bids may be submitted on all or part of the equipment. To be delivered f. o. b. Raymond, Madera County, Cal.
Specifications may be seen at the office of the architect.

Completing Plans. Figures to be Taken in About Two Weeks.
HOSPITAL Cost, $60,000
ELKO, Nevada.
Class "C" hospital.
Owner—Elko County.
Architect—F. J. DeLongchamp, Gazette Bldg., Reno, Nevada.

## HOTELS

Completing Plans.
ADDITION. Cost, $——
RIVERSIDE, Riverside Co., Cal. Missino Inn.
Three-story and basement reinforced concrete and hollow tile hotel addition.
Owner—Frank Miller.
Architect—A. B. Benton, 114 North Spring St., Los Angeles.

## PUBLIC BUILDINGS

Bids to be Called For in a Few Days.
BATHHOUSE, ETC. Cost, $38,000
COLUSA, Colusa Co., Cal.
Concrete swimming pool, 40x120; filteration plant, brick or hollow tile and frame bathhouses (stucco exterior.)
Owner—City of Colusa.
Architect—Edwin J. Symmes, Wells Fargo Bldg., 2nd and Mission Sts., San Francisco, Care Yosemite National Park Co.

Plans Being Prepared.
CITY HALL. Cost, $80,000
ORANGE, Orange Co., Cal.
One and two-story and basement brick or hollow tile city hall.
Owner—City of Orange.
Architect—Anderson & Farrell, 532 Mason Bldg., Los Angeles.

TUCSON, Ariz.—Col. Epes Randolph, chairman of the Pima County Courthouse Commission has received final plans for the proposed courthouse from Architects Wm. Curlett & Son of Los Angeles, and they will be submitted to the County Supervisors the first of next month. The estimated cost is $600,000. If a special election is not called a bond issue will be submitted at the September primary.

## RESIDENCES

RESIDENCE, ETC. Cost, $18,400
BERKELEY, Alameda Co., Cal. SW Virginia St. and Bushnell Place.
Two-story and basement frame residence and garage (8 rooms and 3 bathrooms).
Owner—H. C. Macauley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
C. Texdall, 226 Acton Place, Oakland, submitted the lowest bid at $18,400 and will be awarded the contract.

Plans Being Figured.
ADDITION Cost, $3,000
HILLSBOROUGH, San Mateo Co., Cal.
One-story 5-room addition to present frame residence.
Owner—Mr. Henry.
Architect—Capt. Ernest Norberg, 742 Market St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $7,500
BERKELEY, Alameda Co., Cal.
Two-story and basement frame and stucco residence (6 rooms and Sleeping porch).
Owner—Withheld.
Architects—Fabre & Thayer, 110 Sutter St., San Francisco.

Plans Being Prepared.
RESIDENCES Cost, $12,000 each
SAN FRANCISCO, Sea Cliff.
Four two-story and basement frame and plaster residences (9 rooms and 3 bathrooms each).
Owner—Allen & Co.
Architect—Earle B. Bertz, 68 Post St., San Francisco.

Contracts Awarded.
RESIDENCE AND ALTERATIONS Cost, $63,700.
PASADENA, Los Angeles Co., Cal. Orange Grove Ave. and Ellis St.
Two-story hollow tile residence (12 rooms) and alter two-story frame and plaster garage. All work except plumbing, painting, wiring, heating, finish hardware and electric fixtures.
Owner—S. L. Bird.
Architects—Marston & Van Pelt, 600 Chamber of Commerce Bldg., Pasadena.
Contractor—E. D. Tyler, 539 Pasadena Ave., Pasadena.
Contract for painting has been awarded to Chas. Ward, 11 W. Green St., Pasadena, at $2,589; plumbing to Munger & Munger, 174 E. Union St., Pasadena, at $7,330; heating to Pasadena Sheet Metal Works, 57 W. Union St., Pasadena, at $1,700, and electrical work to H. L. Miller Co., 60 N. Raymond Ave., Pasadena, at $2,010.50.

Ready for Figures Monday.
BUNGALOW Cost, $6,000
CORTE MADERA, Marin Co., Cal. Baltimore Park near Corte Madera.
One-story frame and plaster bungalow.
Owner—Henry Meyer.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $18,270
BERKELEY, Alameda Co., Cal. Claremont Court.
Two-story and basement frame and plaster residence (8 rooms.)
Owner—Mrs. B. C. Floyd, 3133 College Ave., Berkeley.
Architect—W. H. Ratcliff, 1st National Bank Bldg., Berkeley.
Contractor—Walter Sorenson, 3219 Ellis St., Berkeley.

Plans Being Prepared.
RESIDENCE. Cost, $——
HAYWARD, Alameda Co., Cal. Castro Valley near Hayward.
One-story frame and plaster residence (Mission court style) 8 rooms.
Owner—R. F. Bucknam, 329 Castro St., Hayward.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., S. F.

Plans Being Prepared.
RESIDENCE. Cost, $5,000
GRIDLEY, Butte Co., Cal.
One and one-half story frame residence (8 rooms.)
Owner—M. Kress.
Designer and contractor—A. P. Blevins and Wm. Lamont, 936 Mission St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $——
PETALUMA, Sonoma Co., Cal. Two Rock Valley.
One and one-half-story country residence (7 rooms and sleeping porch)
Owner—Roy Church, Petaluma.
Architect—Not Given.
Contractor—Everett Robertson, Petaluma, Cal.

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Plans Being Prepared.
RESIDENCE Cost, $50,000
PIEDMONT, Alameda Co., Cal. Piedmont Acres.
Two-story and basement frame and plaster residence and garage (12 rooms and 3 bathrooms).
Owner—Withheld.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

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Plans Being Prepared.
BUNGALOWS Cost, $4,500 each
SAN FRANCISCO. Mission Terrace.
Twelve one-story frame bungalows (5 rooms each).
Owner—Mission Terrace Co., 318 Kearny St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

## SCHOOLS

**CONTRACTS AWARDED FOR FRESNO SCHOOLS.**

FRESNO, Cal.—The following is a list of the lowest bidders to whom contracts have been awarded by the Board of Education of Fresno for the construction of five schools:

**KIRK SCHOOL.**
**(Coates & Traver, Architects.)**

**Lathing and Plastering**, MacGruer & Simpson, $2,312.
**Electric Wiring**—Fresno Electric Co., $535.
**Painting**—R. Zelinsky, $1,887.
**Blackboards**—Rispenpard Bros., $672.
**Finish Hardware (all bids rejected)**, new bids being taken.

**JOHN MUIR SCHOOL.**
**(Gina & Rutner, Architects.)**

**Roofing**—Gladding, McBean & Co., $6,840.
**Sheet Metal Work**—Barrett & Hicks, $861.
**Plastering**—McGruer & Simpson.
**Electric Wiring**—Valley Electric Co., $4,396.
**Painting**—A. Quandt & Son, $6,845.
**Blackboards**—Rispenpard Bros., $1,369.
**Finish Hardware** (all bids rejected), new bids being taken.
**Patent Window Hardware**—Kawneer Window Co., $459.

**LONGFELLOW SCHOOL.**
**(Swartz & Ryland, Architects.)**

**Sheet Metal Work**—Standard Sheet Metal Co., $659.
**Plastering**—McGruer & Simpson.
**Electric Wiring**—Fresno Electric Co., $3,015.
**Painting**—Trewhitt & Spencer, $4,855.
**Blackboards**—C. F. Weber & Co., $1,035.
**Finish Hardware** (all bids rejected), new bids being taken.
**Patent Window Hardware**—Kawneer Window Co., $248.

**WASHINGTON SCHOOL.**
**(E. Mathewson, Architect.)**

**Excavation, Concrete and Carpentry Work**—Anton Johnson, Kingsburg, $29,000.
**Brick and Terra Cotta Work**—Anton Johnson, $10,450.
**Steel & Iron Work**—Kyle & Co., $4,216
**Roofing**—C. L. Passmore, $2,100.
**Roofing**—Valley Lumber Co., Fresno, $397.
**Plumbing**—B. A. Newman, $3,693.
**Heating**—B. A. Newman, $8,208.
**Sheet Metal Work**—Standard Sheet Metal Co., $405.
**Plastering**—MacGruer & Simpson, $8,764.
**Electric Wiring**—Central States Elec. Co., $2,786.
**Painting**—Trewhitt & Spencer, $3,124.
**Blackboards**—Rispenpard Bros., $1,130.
**Finish Hardware** (all bids rejected), new bids being taken
**Patent Window Hardware**—Kawneer Co., $248.

**JACKSON SCHOOL.**
**(Ernest J. Kump, Architect.)**

**Excavation, Concrete and Carpentry Work**—Frederickson & Shannon, Fresno, $65,815.
**Brick and Terra Cotta**—Chas. Stewart, $13,479.
**Steel and Iron**—Kyle & Co., San Francisco, $4,968.
**Roofing**—C. L. Passmore, $5,000.
**Plumbing**—B. A. Newman, $9,756.
**Heating**—B. A. Newman, $10,949.
**Sheet Metal Work**—Standard Sheet Metal Co., $405.
**Lathing and Plastering**—MacGruer & Simpson, $8,764.
**Electric Wiring, Clock, Etc.**—Central States Elec. Co., $2786.
**Painting**—Trewhitt & Spencer, $3,124.
**Blackboards**—Rispenpard Bros., $1,136.
**Finish Hardware** (all bids rejected), new bids being taken.
**Patent Window Hardware**—Kawneer Co., $248.

**ARLINGTON HEIGHTS SCHOOL.**
**(R. B. Hotchkin, Architect.)**

**Roofing**—Gladding, McBean & Co., $3,490.
**Sheet Metal Work**—Standard Sheet Metal Co., $642.
**Lathing and Plastering**—MacGruer & Simpson, $6,355.
**Electric Wiring**—Lewis Electric Co., $705.
**Painting**—A. Quandt & Son, $1,610.
**Blackboards**—C. F. Weber & Co., $470.
**Finish Hardware** (all bids rejected), new bids being taken.

**WEBSTER SCHOOL.**
**(Swartz & Ryland, Architects.)**

**Roofing**—C. L. Passmore, $2,200.
**Sheet Metal Work**—Standard Sheet Metal Co., $710.
**Plastering**—MacGruer & Simpson, $8,957
**Wiring**—Lewis Electric Co., $2,278.
**Painting**—Trewhitt & Spencer, $3596.
**Blackboards**—Rispenpard Bros., $941.
**Finish Hardware** (all bids rejected), new bids being taken.
**Patent Window Hardware**—Kawneer Co., $172.

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Plans Being Prepared.
SCHOOL Cost, $23,000
TWO ROCK, Sonoma Co., Cal.
One-story concrete grammar school (3 rooms and auditorium.)
Owner—Two Rock Union School District.
Architect—Capt. E. L. Norberg, Bankers' Investment Bldg., San Francisco.

NOTE:—Bonds to the amount of $28,000 will be voted in March to purchase the property and construct the building

Plans Being Figured. Bids Close Mar. 8, 1920, 8 P. M.
SCHOOL Cost, $40,000
SAN ANSELMO, Marin Co., Cal.
One-story brick and frame school building.
Owner—San Anselmo School District. Mrs. Jones, Clerk.
Architect—J. W. Dolliver, 701 Royal Insurance Bldg., San Francisco.

NOTE:—Figures are being taken for a general contract. The date of opening bids has been extended from Feb. 24th to March 8th, 1920.

Certified check of 10% payable to Mrs. Jones, Clerk, must accompany each bid.

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Working Drawings Being Prepared.
SCHOOL Cost, $100,000
SELMA, Fresno Co., Cal.
Fireproof school building.
Owner—Selma Grammar School District.
Architect—Anton Johnson, Kingsburg Bank Bldg., Kingsburg.

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Plans Ready for Figures Shortly.
SCHOOL Cost, $75,000
KINGSBURG, Fresno Co., Cal.
Brick grammar school building.
Owner—Kingsburg Grammar School District.
Designer & Contractor—Anton Johnson, Kingsburg Bank Bldg., Kingsburg, Calif.

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Plans Being Figured. Bids Close Mar. 8, 1920, 8 P. M.
ADDITION Cost, $——
LONG BEACH, Los Angeles Co., Cal. 17th St. and Atlantic Ave.
Two-story brick addition to high school (10 rooms).
Owner—City of Long Beach.
Architects—John C. Austin and W. H. Austin, 1125 Baker-Detwiler Bldg., Los Angeles and Long Beach.

Bids will be received separately as follows: (a) for general work; (b) plumbing; (c) painting; (d) electric wiring; (e) heating and ventilating; (f) program clock and bell system. Certified check or bidder's bond for 5% of amount of bid required. Plans may be procured from Secretary of School Board, G. W. Scott, 505 Long Beach Bank Bldg., Long Beach.

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Plans Being Figured. Bids Close Mar. 8th, 8 P. M.
HIGH SCHOOL Cost, $——
CLOVIS, Fresno Co., Cal.
Masonry and roofing work for a two-story concrete high school.
Owner—Clovis High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Bids are to be received on the two following portions of the work:

1. Mason work, including furnishing and setting all cast cement ornamental work.
2. Roofing—(Pitch and gravel or built up asbestos as per specifications).

Certified check of 5% payable to J. A. Riggs, Clerk of the District, must accompany each bid. Plans may be seen at the office of the Architect.

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Plans Being Prepared.
MANUAL TRAINING BLDG., ETC. Cost, $——
VISALIA, Tulare Co., Cal.
Manual training and other buildings for high school

Owner—Visalia High School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
NOTE:—Bonds of $110,000 voted.

Contract Awarded.
SCHOOL Cost, $62,260
LONG BEACH, Los Angeles Co., Cal. Hill and Atlantic Ave.
Two-story brick grade school, nine rooms and kindergarten Dept.
Owner—City of Long Beach.
Architect—John C. Austin and Horace Austin, Baker-Detwiler Bldg., Los Angeles, and Long Beach.
Contractor—J. D. Sherer, 1466 W 1st Street, Long Beach.
The painting was let to W. E. Walters of Long Beach at $2023; the heating to the Long Beach Gas Appliance Co. at $1953. The bid received from Standard Electric Time Co. for program clocks was rejected.

GRIDLEY, Butte Co., Cal.—Architects Woollett & Lamb, Physicians Bldg., Sacramento and Geo. C. Sellon & Co., Mitau Bldg., Sacramento, have been in conference with the Trustees of the Gridley Union High School District regarding plans for the proposed $200,000 high school building to be erected in this city.
The selection of an architect is expected in the near future.

Ready for Figures Wednesday.
SCHOOL Cost, $18,000
ELVERTA, Sacramento Co., Cal. Elverta School District.
One-story interlocking tile and plaster school.
Owner—Elverta School District.
Architect—Geo. C. Sellon, 1005 8th St., Sacramento.

Commissioned to Prepare Preliminary Plans.
COLLEGE BLDGS. Cost, $——
LOS ANGELES, Cal. North Vermont Avenue near Melrose Avenue.
Group of brick college buildings.
Owner—California School of Christianity.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans Being Figured.
ADDITIONS Cost, $42,000 each
TURLOCK, Stanislaus Co., Cal. Lowell and Hawthorne Schools.
Two two-story and basement brick additions to schools.
Owner—Turlock School District (Chas. Lindahl, Clerk).
Architect—W. H. Weeks, 75 Post St., San Francisco.
Figures will be taken for general contracts. Plans may be obtained from the Architect's office or from the Clerk of the Board on a deposit of $20.
The closing date will be announced later.

Contract Awarded.
SCHOOL Cost, $6,000
IGNACIO, Marin Co., Cal.
One-story frame (2-room) school.
Owner—San Jose School District. Geo. S. Jones, Clerk, Ignacio, Cal.
Architect—J. W. Dolliver, Royal Insurance Bldg., San Francisco.
Contractor—D. A. McLean, Belvedere.

FRESNO, Fresno Co., Cal.—Up to March 11th, 5 P. M., bids will be received by the Secretary of the Board of Education, J. R. Fontaine, for furnishing and delivering approximately 2,000,000 No. 1 Merchantable Common Brick and 250,000 select faced brick, all to be delivered at building sites. Delivery will be required during the months of April, May, June and July.

## STORES AND OFFICES

Contract Awarded.
STORE Cost, $40,000
WILLIAMS, Colusa Co., Cal.
One-story and basement concrete store, 95x125. Concrete flour vault in basement, 25x20.
Owners—E. A. Brim & wife, Williams, Calif.
Lessee—George Comstock, Williams.
Architect—Not Given.
Contractor—Wm. R. Fait, Woodland.
Plans have been so designed to allow for one additional story.

Bids in and Under Advisement.
AUTO SALES BLDG. Cost, $50,000
SAN FRANCISCO. N Mission near 13th Street.
One-story and basement concrete auto sales building.
Owner—Withheld.
Architect—A. W. Burgren, 661 Phelan Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. Mission and Twenty-ninth Streets.
Alterations to frame building for five stores.
Owner—United Cigar Stores Co.
Architects—Latham & Upton, 454 Montgomery St., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, $20,000
SAN FRANCISCO. No. 263 Bush Street.
Alterations to four-story brick store and office building (change location of elevator, etc.)
Owner—Sarah Rosenstock and Hilda R. Nutall.
Architects—Heller & Wilson, 57 Post St., San Francisco.

Plans Being Prepared.
NEWSPAPER PLANT. Cost, $17,500
TULARE, Tulare Co., Cal.
One-story and basement fireproof newspaper plant, 37x100.
Owner—The Tulare Advance; John A. Rollins, Tulare, Calif.
Architect—Glass & Butner Cory Bldg., Fresno, Calif.

Plans Being Figured.
AUTO STAGE DEPOT Cost, $40,000
FRESNO, Fresno Co., Cal.
One-story concrete auto stage depot building.
Owner—J. M. Rustigian.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Bids will be received for a general contract or segregated.

Completing Plans. Construction to start shortly.
OFFICE BLDG. Cost, $——
SAN FRANCISCO, NE Post and Powell Streets.
Fifteen-story Class "A" office and store building.
Owner—Wm. M. Fitzhugh, Mills Bldg., San Francisco.
Architects—Reid Bros. and Bakewell & Brown, Associated, 105 Montgomery St., San Francisco.

Additional Contracts Awarded. Figures Being Taken for Concrete Work, Roofing, etc.
STORES AND LOFT.
SAN FRANCISCO. NE Bush and Chatham Place (W of Kearny Street.)
Two-story brick stores and loft building 75x85.
Owner—M. S. Show.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
**Brick Work** awarded to Fred Koldenstradt, 180 Jessie St., S. F.
**Excavating** to Mordecai Teaming Co 1818 Green St., San Francisco.

Ready for Figures in a Few Days.
AUTO SALES & APARTMENT BLDG.
COLUSA, Colusa Co., Cal.
Two-story brick auto sales and apartment building (6 apts. on 2nd floor, garage in rear).
Owner—Colusa Motor Sales Co.
Architect—Edwin J. Symmes, Wells Fargo Bldg., 2nd and Mission Sts., San Francisco, Care Yosemite National Park Co.

Plans Being Figured.
STORES Cost, $——
BERKELEY, Alameda Co., Cal. N Bancroft Way 45 E Telegraph Ave.
One-story brick (3) stores, 50x60.
Owner—John Freuler.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

## THEATRES

Plans to be Prepared.
AUDITORIUM, ETC. Cost, $60,000
MODESTO, Stanislaus Co., Cal. Tenth Street, bet. K and L Streets.
Concrete auditorium and airdrome, 75x140. Seating capacity of 1500. Dance floor, etc.
Owner—P. H. Markowitz, Modesto Theatre, Modesto.
Architect—Not Yet Selected.

Plans Being Figured
THEATRE, OFFICES AND STORES Cost, $100,000.
SALINAS, Monterey Co., Cal.
Two-story reinforced concrete theatre, offices and (2) stores.
Owner—Brown Bros., Salinas.
Lessee—Turner & Dahnken, San Francisco.
Architect—A. W. Cornelius, Merchants National Bk. Bldg., San Francisco.
NOTE:—Plans may be had from the office of the architect on and after Saturday, February 28th, or at the office of the owners.

# ENGINEERING

## BRIDGES, DAMS & HARBOR WORK

SAN FRANCISCO—Up to March 17th, 10 a. m., bids will be received by the Engineer Office, U. S. Army, 240 Montgomery street, for furnishing and delivering under Order No. 2265 seventy rubber dredge sleeves for the U. S. suction dredges, delivery to be made f. o. b. wharf, Rio Vista, Solano County.

RED BLUFF, Tehama Co., Cal.—The construction of concrete bridges between Tehama and Los Molinas will be considered by the County Supervisors at their next meeting.

H. G. Kuhn is County Clerk.

MARYSVILLE, Yuba Co., Cal.—According to estimates submitted the Yuba County Chamber of Commerce by the engineer of the Sutter Basin Company, it will cost $120,284 to construct a permanent bridge over the Sutter By-Pass. The estimates, now in the hands of A. H. Harrison, Secretary of the Yuba County Chamber, will be submitted at the next regular meeting for discussion.

SAN FRANCISCO—Bids will be received March 10th by the San Francisco Board of Public Works for cleaning and painting city bridges.

SAN FRANCISCO—Up to March 22nd, 10 a. m., bids will be received by the U. S. Engineer Office, 240 Montgomery street, for dredging off part of point from Dos Rios Island and vicinity near the mouth of the Sacramento River.

EUREKA, Humboldt Co., Cal.—The Supervisors have awarded a contract to Frank L. Smith, 403 W-Pacific St., Eureka, at $2,345 for the construction of a wooden bridge over Camp Creek near the Klamath. The only other bid was that of Padgett & Kelly at $3,494.75.

SANTA ROSA, Sonoma Co., Cal.—County Engineer Aldrich has been instructed by the Supervisors, W. W. Felt Jr., County Clerk, to prepare plans and specifications for roads and bridges between Camp Meeker and Monto Rio and for a reinforced concrete culvert on the Petaluma and Valley Ford Road at the Roy E. Church place, the foot of old Wiggins hill.

UKIAH, Mendocino Co., Cal.—The Supervisors, Hale Prather, County Clerk, have appropriated $2,000 for repairing the Frazier bridge, the work to be done under the supervision of Supervisor Ford.

EUREKA, Humboldt Co., Cal.—Bids will be received by Fred M. Kay, County Clerk, up to March 9th, 2:30 P. M. for the construction of a reinforced concrete bridge across Jacoby Creek in Road District No. 5.

OAKLAND, Cal.—County Engineer P. Haviland, is preparing plans for widening the concrete bridge on E-Fourteenth street over San Leandro Creek. Haviland is being assisted by R. H. Goodwin, City Engineer of San Leandro.

LOS ANGELES, Cal.—Following is the distribution of funds for improvements at Los Angeles harbor under the $4,500,000 bond issue which has been held to be valid by the State Supreme Court:

Dredging, wharf and bulkhead, net drying pier and sewer system at Fish harbor, $282,000.

Completion of bulkhead and railway tracks, Pier No. 4, $150,000.

Track extension, street paving and mechanical equipment, Pier No. 1, $244,000.

Paving Harbor Blvd. from Fourth to Sixteenth street, viaduct on Sixteenth street to pier No. 1, Smith's Island to B street and bridge over entrance to west basin, $960,000.

Channel widening and improvements on east side of main channel, including 5000 ft. quay wall, 1400 ft. bulkhead, 1000 ft. of transit shed, tracks, street improvements and equipment and moving Salt Lake Railway Company's yard and tracks, $1,275,000.

Extensions of wholesale fish market, $80,000.

New building for harbor department offices, $35,000.

Improvements on west basin, including dredging, terminal for Union Oil Co., street improvements and tracks, $437,000.

Extension of wharf, shed and tracks for Pacific Steamship Co., Pier A, $25,000.

Dikes and boulevard from Anaheim street to Seaside avenue in east basin territory, $258,000.

Ferries and terminal at East San Pedro, $90,000.

Cotton storage warehouses and handling equipment and storage for coal and vegetable oil, $970,000.

Four coal bunkering lighters, and handling apparatus, 100-ton floating crane, one 25-ton lighter, one 500 h. p. tug, locomotive crane, launch, and construction equipment, $260,000.

The harbor commission will repay to city $234,000 borrowed for improvements at Fish Harbor.

## IRRIGATION PROJECTS

TRACY, San Joaquin Co., Cal.—Under Contract No. 17, bids will be received by the Directors of the West Side Irrigation District, Tracy, Cal., up to March 16th, 11 A. M., for construction involving about 5000 cubic yards of excavation and embankment and 160' 30"-14 gauge soldered and riveted galvanized iron corrugated pipe and 25 cubic yards of reinforced concrete. The work is located along the Lincoln Highway 3½ miles Northwest of Tracy and in the vicinity of the Southern Pacific Railroad Station of "Janney," on the Port Costa line of that company.

All bids are to be compared on the basis of the District Engineer's estimate of the approximate quantities of work to be done, as follows:

ITEM NO. 1. Earth excavation (No classification) including embankment 5000 cubic yards.

ITEM NO. 2. Overhaul 32,000 station cubic yards.

ITEM NO. 3. Excavation for structures 320 cubic yards.

Item NO. 4. Concrete in structures 20 cubic yards.

ITEM NO. 5. Placing reinforced steel 2200 pounds.

ITEM NO. 6. Backfill 60 cubic yards.

ITEM NO. 7. Furnishing 30"-14 gauge riveted and soldered corrugated iron galvanized pipe 160 lineal feet.

ITEM No. 8. Laying 30"-14 gauge riveted and soldered corrugated iron galvanized pipe 160 lineal feet.

ITEM NO. 9 Casting 43 foot concrete jacket section under Railroad 10 cubic yards.

ITEM No. 10. Furnishing 600 square feet, Poultry mesh in place.

ITEM No. 11. Furnishing reinforced steel 2200 pounds.

Certified check of $1,000 payable to President of Board of Directors required with each bid.

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

Plans and further information may be had from John C. Chrisman Secretary of the District at Tracy.

LATON, Fresno Co., Cal.—By a vote of 60 to 2 the election held to decide on the formation of an irrigation district carried. Lands in the Laguna District near Laton will be placed under irrigation after bonds to finance construction have been voted.

PHOENIX, Ariz.—The Board of governors of the Salt River Valley Water Users Association has adopted the report of D. W. Murphy, Consulting Engineer, recommending a continuation of the present drainage system through the use of pumps and the addition of new units at different points in the valley to be supplemented where expedient by open cut and closed drainage canals. The estimated cost of an adequate system is about $400,000. It is estimated that about 200,000 acre feet of water will have to be removed each year which will require about 33 wells in addition to those already provided for. The shareholders will vote on the drainage proposal at the annual election in April.

WILLOWS, Glenn Co., Cal.—Surveys are being completed in Reclamation District No. 2047 for main drainage ditches and laterals. The district comprises 250,000 acres in Glenn and Colusa Counties. P. B. Cross is a member of the Board of Directors of the District.

SACRAMENTO, Cal. — The State Reclamation Board has approved the plans of District 2021 for completing its work of reclamation in the Mildred Island District of San Joaquin County.

According to representatives, improvements contemplated including an extension of the levee system, the building of new drainage canals and installation of new pumping facilities, will cost upwards of $300,000.

The district was repreeented at the hearing by Attorney D. Hadsell and H. B. Barker.

## LIGHTING SYSTEMS

TRACY, San Joaquin Co., Cal.—The Trustees, Geo. L. Frerichs, City Clerk, have decided to submit the proposition of issuing and selling bonds of $15,000 for the acquisition of a city park and $15,000 for the installation of an electrolier system in portions of Central avenue, Sixth street and the highway,

PITTSBURG, Contra Costa Co., Cal.—According to estimates of Geo. Oliver, City Engineer, submitted to the Chamber of Commerce, it will cost approximately $9,000 for installing an electrolier system in Black Diamond and Railroad streets.

## SEWERS, STREET WORK & WATER SYSTEMS

MARTINEZ, Contra Costa Co., Cal.—The contract awarded to J. T. Sayles for the improvement of Smith street, etc., has been annulled by the City Trustees owing to a defective description in the official call for bids. The bid of Sayles was $132,800. New bids will be called for this work.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolutions of intention providing for the improvement of the following streets:

Fourth street from Clay to Jefferson by grading, constructing concrete curbs and brick gutters and paving with asphalt macadam.

Montana street between Champion street and Peralta avenue by grading, constructing concrete curbs and gutters and paving with oil macadam.

Fifth street from Clay to Jefferson street by grading, constructing concrete curbs and brick gutters and paving with asphalt macadam.

ALBUQUERQUE, N. M.—Following are the bids received February 14, by the U. S. Bureau of Public Roads, E. S. Wheeler, acting district engineer, for constructing 6.73 miles of earth graded road on Capitan-Nogal Hill project in Lincoln National Forest, N. M.; H. E. Williams, El Paso, Texas, $19,998.03, government furnishing explosives; LaRoe & Burgess, Palestine, Texas, $22,-315.84, contractor furnishing explosives; C. E. Mouldin, Albuquerque, $22,-626.05, government furnishing explosives, and $22,925, contractor furnishing explosives.

SAN LEANDRO, Alameda Co., Cal.—R. H. Goodwin, City Engineer, at the last meeting of the Trustees advocated the construction of a storm water sewer in Alvarado street.

J. J. Gill is City Clerk.

SAN RAFAEL, Marin Co., Cal.—The Marin Water Company is planning the construction of a pipe line, 26 miles in length, from Mt. Tamalpais to Vallejo and the construction of mains to Benicia and under the bay to Crockett to supply water to these and other sections in that territory.

The source is a huge reservoir on Mt. Tamalpais, and the supply is declared to be abundant. The pipe line would cross Napa Creek and would encircle this side of the bay in a route, not yet definitely established, which would serve Vallejo, Benicia, Crockett, the California and Hawaiian Sugar Company, and perhaps Napa.

VALLEJO, Solano Co., Cal.—The Council, Alf. E. Edgecumbe, City Clerk, is considering the paving of the alley at the rear of the Farragut School. T. D. Kilkenny, City Engineer, estimates the coat at $1,000.

SAN FRANCISCO—According to estimates compiled by M. M. O'Shaughnessy and now being considered by the Supervisors, it will cost $19,000 to construct an extension to the sewer in Sunnyvale avenue between Schwerin and Sawyer streets and $2,148 for the construction of sidewalks fronting the Visitacion school.

SANTA ROSA, Sonoma Co., Cal.—In addition to two other units, bids will be received by County Clerk W. W. Felt, Jr. up to March 10th, 12 M., for the construction of the county highway system as follows:

The construction of Petaluma-Valley Ford Highway, "Section B," in Second Road District, (specification 4).

**Estimated Quantities.**

Length of highway 33,322 ft. or 6.311 miles.

| | |
|---|---|
| Grading | 44,960 cubic yards |
| Concrete Paving | 8,230 cubic yards |
| Waterbound Macadam Paving | 9,875 cubic yards |
| Gravelling | 9,875 cubic yards |

**Estimated Cost.**

| | |
|---|---|
| Highway Complete, Concrete | $143,600.00 |
| Highway Complete Macadam | 108,200.00 |
| Highway Complete, Gravelled | 78,600.00 |

Separate bids will be opened and read at 1:30 P. M. on the same day for the construction of Healdsburg to Napa County Line Highway, "Section B," in Fourth Road District, in Sonoma County. (Specification 5.)

**Estimated Quantities.**

Length of Highway 9,100 ft. or 1.728 miles.

| | |
|---|---|
| Grading—Excavation | 64,728 cu. yds. |
| Estimated Cost | $38,900.00 |

VALLEJO, Solano Co., Cal.—Plans for an eastern district sewer system to serve a large area east of the S. P. Ry. tracks, between Georgia street and the Orphan's Home Road, were discussed at the last session of the City Council, Alf. E. Edgecumbe, City Clerk. City Plumbing Inspector Wm. Hemmings presented a report showing the unsanitary conditions of that section.

City Engineer T. D. Kilkenny presented details for the improvement of Farragut avenue, the construction of a concrete retaining wall on that thoroughfare and the widening of the street for sewer mains.

SANTA CRUZ, Santa Cruz Co., Cal.—J. A. Marshall and J. S. Baker, 2967 Avalon avenue, Berkeley, have been awarded a contract by the County Supervisors for the construction of 6.8 miles of concrete highway from Watsonville west toward Summit, they being low bidders at $144,954.36.

Other bidders were: Eaton & Smith of San Francisco, $174,468.04; Bates & Borland of Oakland, $176,830.20; P. L. Burr of San Francisco, $178,418.47; William B. Arndt, $187,602.34.

H. H. Miller is County Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Engineer has been directed to commence preliminary work for the permanent improvement of Laurel street extension from Pacific avenue to the beginning of the Riverside avenue paving near the cut-bias bridge. A concrete pavement will be laid.

S. A. Evans is City Clerk.

OAKLAND, Cal.—The Supervisors have directed the County Engineer to make a survey of the road from Thane's Corner near Niles to Centerville and from Centerville to Newark, preparatory to letting the contract for laying a concrete surface over the entire distance.

MARTINEZ, Contra Costa Co., Cal.—Plans prepared by the City Engineer for paving streets in the Frazer addition have been approved and a call for bids will be issued within the next few weeks.

LONG BEACH, Los Angeles Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at $81,684.87 for paving Seventh street between Atlantic and Redondo avenues with 5-in. plain concrete and the contract at $10,309.87 for paving alleys in five blocks with 5-in. Warrenite.

UPLAND, San Bernardino Co., Cal.—The Euclid Water Co., has been incorporated to supply water to 410 acres of citrus lands west of Mountain avenue between 16th and 22nd streets. About $100,000 will be spent in developing water and planting orange trees. The directors of the company are G. A. Hanson, Chas. V. Barr, H. G. Koser, Geo. H. Hall and W. K. Beattie.

SAN LEANDRO, Alameda Co., Cal.—The Trustees, J. J. Gill, City Clerk, has passed a resolution of intention providing for the improvement of a portion of Alvarado street by grading; constructing redwood curbs and laying a macadam pavement.

PHOENIX, Ariz.—Until March 6, bids will be received by the Maricopa County Highway Commission for constructing 278 miles of county highways under the $4,000,000 bond issue.

Bids on the entire mileage only will be considered and must be for a stipulate price. Cost-plus proposals will not be considered. If a contract is awarded the contractor will not be permitted to sublet any part of the work without the approval of the commission and general contractor must assume entire responsibility for the work. Bids will be taken on five types of paving as follows:

Six-inch concrete pavement in 9, 16 and 18-ft. widths.

Warrenite paving on 4-in. asphaltic concrete base with 2-in. wearing surface.

Asphaltic concrete base 4-in. thick with 2-in. Topeka surface.

Compressed filled broken stone base 6 in. thick with Warrenite surface 2 in. thick.

Compressed filled broken stone base 6 in. thick with asphaltic concrete surface 2 in. thick.

The commission announces that the plans and profiles for the entire mileage are now complete.

Item 4. ..... square feet of asphalt wearing surface, Type B.

Item 5. 636,160 square feet of asphalt concrete pavement.

Item 6. ..... square feet of bituminous macadam.

Item 7. Total of 0 culverts.

Item 8. Total of 80 linear feet of railing.

Plans may be seen at the office of the County Engineer, Chris. P. Jensen, Cory Building, Fresno.

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UKIAH, Mendocino Co., Cal.—The building of a new road from the north side of Cahto hill easterly to the Smith Lane on the State highway is being considered by the County Supervisors. A petition asking early construction was presented at the last meeting.

The petition asking the construction of a road from Wheelbarrow valley to the State highway has been laid over indefinitely.

The County Engineer has been instructed to make a survey of the third section of the Navarro-to-Salmon Creek grade in the Fifth Supervisor District.

Hale Prather is County Clerk.

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OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has adopted an ordinance authorizing the widening of East Fourteenth street from Alice to West Oak street.

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HAYWARD, Alameda Co., Cal.—Petitions have been received by the City Trustees asking the improvement of Second avenue and E street.

The cost if improving lower Watkins street, according to estimates submitted by Town Attorney White, is placed at $3,700 which includes the moving back of houses, fences and paving.

The matter of temporary improvements in upper D street, estimated to cost $600, was laid over until the next meeting.

M. B. Templeton is City Clerk.

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OAKLAND, Cal.—The City Engineer has been instructed to prepare plans for the improvement of Fourth and Fifth streets between Jefferson and Clay streets and for the extension of the sewer at the north end of Peralta avenue.

Final steps for the improvement of Fruitvale avenue between Fourteenth street and Foothill Boulevard will be taken at the March 11th session of the Council.

L. W. Cummings is City Clerk.

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MONTEREY, Monterey Co., Cal.—The City Council has passed resolutions of intention providing for the improvement of:

Reeside avenue from the northeast line of Lighthouse avenue to the southwest line of Wave street, and from the northeast line of Wave street to the east limits of the gradient on Reeside avenue at the Shore line of the Bay of Monterey.

Wave street from the northwest line of Reeside avenue, distant 125 feet northwest from Reeside avenue to the north line of Spence street.

Spence street from the northeast line of Lighthouse avenue to the south line of Foam street, and from the north line of Foam street to the northeast limit of the gradient at the shore line of Monterey Bay.

Foam street from the northeast line of Reeside avenue to the end of Foam street at the Presidio.

Ocean View avenue (formerly Ocean avenue), from the northwest line of David avenue to the northeast line of Wave street.

All the above by grading, constructing concrete curbs and gutters, gravel sidewalks, culverts, bulkheads, catchbasins, retaining walls, etc., and paving with an oil macadam pavement.

Archie Kay is City Clerk.

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SAN FRANCISCO—The following contracts were awarded by the Board of Public Works at its meeting yesterday:

To Hugh McGill at $1,099 for construction of sewer in Lakeview avenue between Joelah and Summit.

To Raisch Improvement Co. to grade, sewer and pave Circular avenue between Sunnyside and Santa Rosa avenues at $32,950.15.

To Eaton & Smith, paving Caselli avenue opposite Danvers street, $300.60

To Eaton & Smith, sewer and pave Madrid street between France and Italy avenues, $18,642.70.

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ARCADIA, Los Angeles Co., Cal.—Until 8 P. M., March 3, bids will be received by the City Trustees, Ethel Grimes, Clerk, for furnishing and laying 4955 ft. 12-in., 14-in. gauge riveted sheet steel pipe and back-filling 6 in.; removing, redipping and relaying 65 ft. 12-in. riveted steel pipe; furnishing and laying 950 ft. 10-in. 14-gauge riveted sheet steel pipe and backfilling; excavating 5020 ft. pipe trench 38 in. wide and 26 in. deep and 950 ft. of trench 54 in. deep and 30 in. wide and backfilling. Plans and specifications may be obtained from the City Clerk or from the City Engineer, O. A. Gierlich, 212 National Bank Bldg., Monrovia.

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FRESNO, Fresno Co., Cal.—The California Road and Street Improvement Co., Bank of Italy Bldg., Fresno, has been awarded a contract by the City Council, Chas. Dillon, City Clerk, for the improvement of Mariposa street from the northeast line of "M" street to the south line of Divisadero avenue, by grading, constructing concrete curbs and gutters, artificial stone sidewalks, corrugated iron culverts and paving with a 4-inch cement concrete base with a Bitulithic wearing surface 1½ inches thick; excepting where already improved.

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OROVILLE, Butte Co., Cal.—Martin C. Polk, County Engineer, has been authorized by the Supervisors to proceed with the following improvements by day labor:

Repair bridge over West Branch of Mud Creek; construct a bridge on Sam Boyle's Road, near Durham; repair Little Rock Creek bridge; construct bridge on Road west of Nelson, install culverts Nos. 1, 2 and 3 on the Hicks Lane, near Chico; one culvert on Vallambrosia avenue, near Chico; and one culvert on the Haselbusch Road; repair bridges on the Cohasset Road and the bridge at Palermo.

C. F. Belding is County Clerk.

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SACRAMENTO, Cal.—Acting upon a petition the County Supervisors have instructed County Surveyor Drury Butler to provide a sixteen foot wide road between the Isleton bridge site and the Rio Vista bridge in place of a fifteen foot road as at first planned, made by the county board to cover the cost of the additional work. An appropriation of $7,000 has been

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SANTA MONICA, Los Angeles Co., Cal.—The City Commission has adopted an ordinance of intention to open Second and Third streets across the Southern Pacific arroyo. Improvements estimated to cost $500,000 will follow. A Y-shaped viaduct will be built over the Colorado avenue and the Southern Pacific gulch. Main street will be widened from Pico south to twice its present width.

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MONTEREY, Monterey Co., Cal.—Up to 7 P. M., March 16th, bids will be received by Archie Kay, City Clerk, for the construction of an 8-inch vitrified sewer in David avenue from Newton to Lily street, a distance of 250.58 feet, and the construction of a 6-inch vitrified sewer in Lily street from David avenue to a point 130 feet southerly from the south line of Hoffman avenue (1774.7 ft. in length) and the construction and installation of five manholes, 2 inspection holes and 132 4-inch Y branches for house connections.

Plans and further information may be had from City Clerk Kay.

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LOS ANGELES, Cal.—John Hayes, 1176 W. Thirtieth St., Los Angeles, who won his suit in mandamus in the Supreme Court to compel the Board of Public Works to enter into a contract with him at his bid of approximately $1,000,000 for the construction of the Second Street tunnel, states that he hopes to begin actual construction within 60 days.

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SONOMA, Sonoma Co., Cal.—Engineers Howe & Peters, 24 California St., San Francisco, have completed surveys and estimates of cost are now being taken for various classes of pavement, including concrete and asphalt, for the paving of streets around the City Plaza, also one-half mile in Broadway and one mile in Napa street. Preliminary work has been completed by the engineers for the extension of Napa street and the construction of a sewer at its easterly end. Funds to finance construction will be secured through a bond issue.

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FRESNO, Fresno Co., Cal.—Bids will be received by D. M. Barnwell, County Clerk, up to March 15th, 2 p. m., for improving County Highway Route 22, Section A, and Route 23, Section A.

All bids are to be compared on the basis of the County Surveyor's estimate of the quantities of work to be done, as follows:

"SPECIFICATIONS NO. 1"

Item 1. 10,448 cubic yards of earthwork without classification.

Item 2 ..... cubic yards of Portland cement concrete base.

Item 3 ..... square feet of asphalt wearing surface, Type A.

Item 4. ..... square feet of asphalt wearing surface, Type B.

Item 5. ..... square feet of asphalt concrete pavement.

Item 6. ..... square feet of bituminous macadam.

Item 7. Total of 0 culverts.

Item 8. Total of 80 linear feet of railing.

"SPECIFICATIONS NO. 2"

Item 1. 10,448 cubic yards of earthwork without classification.

Item 2. 9,818 cubic yards of Portland cement concrete base.

Item 3. ..... square feet of asphalt wearing surface, Type A.

Item 4. 636,160 square feet of asphalt wearing surface, Type B.

Item 5. ..... square feet of asphalt concrete pavement.

Item 6. ..... square feet of bituminous macadam.

Item 7. Total of 0 culverts.

Item 8. Total of 80 linear feet of railing.

"SPECIFICATIONS NO. 3"

Item 1. 10,448 cubic yards of earthwork without classification.

Item 2. 9,818 cubic yards of Portland cement concrete base.

Item 3. 636,160 square feet of asphalt wearing surface, Type A.

Item 4. ..... square feet of asphalt wearing surface, Type B.

Item 5. 636,160 square feet of asphalt concrete pavement.

Item 6. ..... square feet of bituminous macadam.

Item 7. Total of 0 culverts.

Item 8. Total of 80 linear feet of railing.

"SPECIFICATIONS NO. 4"

Item 1. 10,448 cubic yards of earthwork without classification.

Item 2. ..... cubic yards of Portland cement concrete base.

Item 3. ..... square feet of asphalt wearing surface, Type A.

SANTA ROSA, Sonoma Co., Cal.—Bids will be received by W. W. Felt Jr., County Clerk, up to 12 M., March 10th, for the construction of Petaluma-Sonoma Highway, "Section A," in First Road District in Sonoma County. (Specification 1)

ESTIMATED QUANTITIES:

Length of Highway 26,585 ft. or 5.035 miles.

Grading, excavation.....13,637 cu.yds.
Concrete paving ..... 6,565 cu. yds.
Waterbound macadam.. 7,878 cu. yds.

ESTIMATED COST:

Highway, complete, concrete..$102,600
Highway, complete, macadam.. 77,300

Separate bids will be received for the construction of Petaluma-Valley Ford Highway, "Section A," in Second Road District, in Sonoma County. Specification 2.)

ESTIMATED QUANTITIES:

Length of Highway, 47,103 ft. or 8.921 miles.

Grading—Excavation—48,740 cu. yds. or 7.23 miles.

Concrete paving—11,631 cu. yds. or 8.-921 miles.

Waterbound macadam—13,957 cu. yds. or 8.921 miles.

ESTIMATED COST:

Highway complete, concrete...$198,200
Highway complete, macadam.. 150,300

SANTA ROSA, Sonoma Co., Cal.—At the last meeting of the City Council petitions were presented asking the improvement of Howard street from the east line of Humboldt street to the east line of Wright street by constructing concrete curbs and gutters and paving with 3-inch asphaltic concrete. Petition was granted.

Petition granted for improvement of Wallace street from the west line of Washington street to the east line of Davis by construction of concrete curbs and gutters and laying of 3-inch asphaltic concrete pavement.

Construction of cement concrete sidewalks on both sides of West Eighth street from the Northwestern Pacific Railroad holding to the east curb line of Hudspeth street, were ordered.

No bids being received for the paving of Tenth street from Mendocino avenue to B street or Humboldt street from Johnson to Benton, the work was ordered done under the supervision of the City Engineer.

OROVILLE, Butte Co., Cal.—C. M Butts, Road Engineer of Northern California, has been appointed by the County Supervisors as Chief Assistant to County Engineer Martin C. Polk. Butts will assist in laying out the new county highway system planned under the $1,800,000 bond issue.

## RAILROADS

EUREKA, Humboldt Co., Cal.—The contract for the rebuilding of the Freshwater & Eureka Railroad from a connection with the N. W. P. Railroad on the Freshwater Marsh into the Freshwater woods has been awarded to the Mercer-Fraser Company of Eureka and preliminary work has been started. The contract calls for the construction of a new railroad drawbridge across Jernigen slough and the rebuilding of the trestles along the line about 2,000 feet in all.

## FIRE EQUIPMENT

HILLSBOROUGH, San Mateo Co., Cal.—Up to March 16th, 5 P. M., bids will be received by John A. Hoey, City Clerk, for furnishing and delivering one piece of motor-driven fire apparatus, consisting of booster pump, chemical tank and hose wagon, with appurtenances.

Specifications and further information may be had from the City Clerk at Room 440 Holbrook Bldg., San Francisco.

SAN FRANCISCO—The Board of Supervisors is considering an ordinance authorizing the Board of Public Works to prepare specifications and enter into a contract for furnishing and erecting street signs throughout the city.

# Official Proposals.

### NOTICE TO CONTRACTORS.

THE BOARD OF TRUSTEES of the Fowler Union High School District, Fowler, Cal., will receive sealed proposals up until **2 o'clock P. M., March 12th, 1920,** at the High School building, Fowler, Cal., at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new high school buildings in accordance with plans and specifications prepared therefor by Allison & Allison, Architects, 1405 Hibernian Building, Los Angeles, Cal. Bids will be received separately for the different segregated contracts as follows:

CONTRACT No. 1—For the Excavating, Concrete, Masonry, Terra Cotta, Iron and Carpenter Work; etc. Bids Nos. 1 with alternate bids A, B, C and D. (See specifications.)

CONTRACT No. 2—For the Sheet Metal Work, etc. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 3—For the Tile Roofing, etc. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 4—For the Composition Roofing. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 5—For the Plastering. Bid No. 1 with alternate Bid C. (See specifications.)

CONTRACT No. 6—For the Blackboards. Bid No. 1. (See specifications.)

CONTRACT No. 7—For the Painting, etc. Bid No. 1 with alternate Bids C and E. (See specifications.)

CONTRACT No. 8—For the Electric Work, etc. Bid No. 1 with alternate Bid C. (See specifications).

CONTRACT No. 9—For the Plumbing, Gas Fitting, Sewering, etc. Bid No. 1 with alternate bid C. See specifications.)

CONTRACT No. 10—For the Program Clocks. Bid No. 1 with alternate bids C and F. (See specifications.)

CONTRACT No. 11—For the Hardware. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 12—For the Heating and Ventilating. Bid No. 1 with alternate bid C. (See specifications.)

Cashier's or certified check or bidder's bond for an amount not less than five per cent (5%) of amount of bid shall accompany each proposal, drawn payable to the order of EDWIN GOWER, Clerk of the Board of Trustees, Fowler Union High School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said High School Trustees in accordance therewith, and shall furnish the surety bonds as required by the specifications, said check or bond to be forfeited to the said High School District should the bidder fail to execute contract and furnish bond as above mentioned

All bids to be made out on forms furnished by the Architects.

Plans and specifications for all the above work may be seen at the office of MORROW & GARREN, Architects, Chronicle Building., San Francisco, Cal.

A deposit of $25.00 will be required from all contractors receiving plans, said deposit to be refunded when plans and specifications are returned in good condition.

The said High School Board reserves the right to reject any or all bids, and to waive any informality in any bid received.

By order of the Board of Trustees, Fowler Union High School District, Fowler, California.

By EDWIN GOWER, Clerk, Board of Trustees, Fowler Union High School District, Fowler, Cal.

Dated, February 12, 1920.

### BIDS WANTED FOR NEVADA HIGHWAY.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned to **12 o'clock Noon, March 8, 1920,** for the construction of a State Highway on the west side of Walker Lake in Mineral County from Cotton Wood Creek to a point 9.47 miles north thereof, work consisting of grading 15 feet wide and the construction of drainage openings.

Plans may be examined and forms of proposals, contract and specifications secured at office of the undersigned; may also be examined at the county clerk's office in Hawthorne. Cash deposit of $15.00 with undersigned required for copy of plans—$25.00 required for copy of plans with cross sections, which will be refunded on

their return in good condition. Bids must be on Proposal Form of Highway Department and accompanied by a certified check in the amount of 5% of the bid. Right is reserved to reject any and all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN, that bids for work, material and for the complete construction of a two-story brick building with an alternate bid for concrete walls, and for the removal of the present frame buildings known as the Domestic Science and the Manual Arts building from block 342 (the present site of Alhambra Union High School) in the town of Martinez, County of Contra Costa, State of California, to the new site of the proposed High School building in blocks 100, 101, 104, 105, 158 and 159 of the Original Survey of the town of Martinez will be received by the Trustees of the Alhambra Union High School District in Contra Costa County at the office of the principal of said school at the main high school building in the town of Martinez, County of Contra Costa, **between 10 o'clock A. M. and 10:30 o'clock A. M. of Friday, March 5, 1920.** A separate bid to be submitted for the installation in the above referred to buildings of program clocks, fire alarm and an intercommunicating telephone system. A separate bid to be submitted for the installation in said two-story building of complete plenum, heating system with ventilating fans for toilets and science tables. All bids to be in accordance with plans and specifications now on file in the office of J. E. Rodgers, Byron Brown Building, Martinez, California. Copies of plans and specifications may be had at the office of A. A. Cantin, Architect, 68 Post St., San Francisco, or Gazette Building, Martinez, California.

A deposit of $50.00 will be required as a guarantee of the return to the Board of Trustees of said High School of the plans and specifications taken for bidding or other purposes and will be refunded to the Contractor when the plans and specifications are returned in good condition. No bids will be received after the closing hour specified in this advertisement.

Accompanying each proposal shall be a statement stating the maximum number of working days the bidder will agree to fully complete the work of this contract in.

Time is of the essence of a contract that may be awarded under this notice and the least maximum time required to complete the work by the bidder will be considered by the Board in awarding the contract.

In awarding the contract, bidders will understand that it will be necessary to file two bonds with the contract, one to the extent of 50% of the amount of the contract for faithful performance of the work and the other for 50% of the amount of the contract known as a lien bond to secure the payment of labor and material. The form of all bonds shall comply with all laws covering the same and will be subject to the approval of the District Attorney of Contra Costa County.

Proposals shall be delivered to A. E. Dunkel, President of the Board of Trustees of Alhambra Union High School District, at the office of the principal of said school in said high school building between the hours hereinbefore stated. Said bids shall be enclosed in a sealed envelope addressed to the Board of Trustees of Alhambra Union High School District, Contra Costa County, California.

A certified check of 5% of the amount of the proposal payable to Alhambra Union High School District, California, must accompany each proposal.

Should the successful bidder fail to obtain a bond and sign a contract for the amount of his proposal, upon the contract being awarded to him, under this notice, his check will be forfeited to said district.

All checks will be returned to the unsuccessful bidders upon application at the office of the Clerk of the Board after the contract has been signed and bond furnished by the Contractor whose bid has been accepted.

The competency and responsibility of bidders will be considered in making any award under this contract.

The Board of Trustees reserves the right to reject any or all bids or any part of any bid.

Dated, February 12, 1920.

A. E. DUNKEL,
President of the Board of Trustees of Alhambra Union High School District.

J. E. RODGERS,
Clerk of the Board of Trustees of Alhambra Union High School District.

### NOTICE TO DREDGING CONTRACTORS.

Board of State Harbor Commissioners, Union Depot and Ferry House, San Francisco, California, March 6, 1920.

SEALED PROPOSALS or bids will be received at this office at or prior to **11 A. M., on Thursday, March 18, 1920,** for furnishing labor and equipment and dredging Islais Street Channel 250 ft. wide and 36 ft. below City Datum from the 36 ft. contour (referred to City Datum) in San Francisco Bay to the line of Kentucky Street in San Francisco.

The work herein contemplated shall be done in strict accordance with the specifications and plans prepared therefore by the Chief Engineer of the Board and adopted by the Board December 26, 1919, and on file in this office, to which special reference is hereby made.

Each bidder shall state a price per cubic yard place measurement for which he will furnish all labor, equipment and material and do the work herein specified for **Dredging Islais Street Channel.**

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within Six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the amount payable by the terms of the contract, with a corporation thereunto duly authorized by law and commonly known as a surety company, as surety (such surety company to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the office of the Secretary), and conditioned for the faithful performance by the contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done, or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefits of material men, mechanics and laborers as provided by that certain Act of the Legislature of the State of California approved May 1, 1911 (Stats. 1911, p 1422). Said bond must be acceptable to and approved by said Board, both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the office of the Secretary, Room No. 17, Union Depot and Ferry House, at or prior to 11 o'clock A. M., on Thursday March 18, 1920, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing $10.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid:

"Bid For Dredging Islais Street Channel."

J. H. McCALLUM,
H. H. COSGRIFF,
MILES STANDISH,
Board of State Harbor Commissioners.
FRANK G. WHITE,
Chief Engineer.
HILDA GOHRMAN,
Secretary.


# SOFT WATER

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Make the Hardest Waters Absolutely Soft for the Modern Home.

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W. M. Alexander, Union and King.
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**Berkeley.**
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A. Mereen, Claremont Court.

**Redwood City.**
E. R. Diamond, Portola Road.

**Burlingame.**
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**PERMUTIT SOFT WATER.**


### ALASKAN ENGINEERING COMMISSION WANTS BIDS.

SEATTLE, Wash.—Under Circular No. 408, bids will be received by the Alaskan Engineering Commission, Belt Street Terminal, Seattle, Wash., up to March 17th, 11 A. M., for furnishing and delivering white lead, paints and varnish, brushes, turpentine and linseed oil.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| | | | |
|---|---|---|---|
| 476 | Rosenstock | Owner | 15000 |
| 477 | Buckbee | Swenson | 940 |
| 478 | Harris | Deibel | 975 |
| 479 | Bordegoray | Owner | 7900 |
| 480 | Horgan | Owner | 2500 |
| 481 | Lombard | O'Neill | 500 |
| 482 | Buckbee | Swenson | 1450 |
| 483 | Quinn | Owner | 4000 |
| 484 | Barnes | Morris | 12000 |
| 485 | Steiger | Pattinson | 3000 |
| 486 | Davis | Loblaw | 900 |
| 487 | Phoener | Owner | 1500 |
| 488 | Kelly | Owner | 10000 |
| 489 | Peterson | Owner | 600 |
| 490 | Halkett | Hatch | 500 |
| 491 | Hall | Owner | 6000 |
| 492 | Chandler | Cahen | 3000 |
| 493 | Hosking | Merritt | 1000 |
| 494 | Waklee | Hoin | 800 |
| 495 | Hansen | Hansen | 30000 |
| 496 | United | Brown | 1500 |
| 497 | Allred | Owner | 5000 |
| 498 | Catto | Moran | 3600 |
| 499 | Kelly | Hogberg | 4800 |
| 500 | Driscoll | Little | 17500 |
| 501 | Seahwartz | Reedy | 500 |
| 502 | Nielsen | Andersen | 700 |
| 503 | S F Pub. Library | Various | 54000 |
| 504 | Same | Same | 72000 |
| 505 | Coleman | Owner | 900 |
| 506 | Steele | Kleeman | 500 |
| 507 | Oyen | Oyen | 6000 |
| 508 | Steinhart | Anderson | 1100 |
| 509 | Spreckels | McLeran | 2500 |
| 510 | McFarland | Owner | 1000 |
| 511 | Wright | Standardized | 9000 |
| 512 | Gallagher | Owner | 3850 |
| 513 | Gantner | Taylor | 3318 |
| 514 | Nelson | Nelson | 40000 |
| 515 | Behrens | Sharman | 9000 |
| 516 | Peabody | Amer Conc | 4810 |
| 517 | Svgs Un Bk&Tr | Owner | 500 |
| 518 | Kole | Finnegan | 700 |
| 519 | Variety Iron | Owner | 1500 |
| 520 | Sullivan | ....Owner | 1000 |
| 521 | Roos | Keystone | 1700 |
| 522 | Lang | Hamerton | 8000 |
| 523 | Crocker | Samuelson | 3500 |
| 524 | Same | Same | 7400 |
| 525 | Corder | Schell | 28000 |
| 526 | Muller | Muller | 900 |
| 527 | Greater City Lbr | Ohlsen | 5500 |
| 528 | Hersh | Petersen | 12000 |
| 529 | Asmussen | Owner | 900 |
| 530 | Mangels | Owner | 5000 |
| 531 | Buckley | Montgomery | 752 |
| 532 | Carson | Carson | 500 |
| 533 | Ramaclotti | Gilmour | 600 |
| 534 | Bell | Owner | 8000 |
| 535 | Kuppenheimer | Mullen | 750 |
| 536 | Mattoon | Petterson | 2200 |
| 537 | Janssen | Owner | 3950 |
| 538 | Schroeder | Johnson | 625 |
| 539 | Kalkinger | Johnson | 1200 |

#### PERMITS.

ALTERATIONS
(476) NO. 263 BUSH. Change location of passenger elevator for store.
Owner—Sarah Rosenstock and Hilda R. Nutall, 2622 Jackson Street.
Architect—Heller & Wilson, 57 Post St., San Francisco.
Cost, $15,000

ALTERATIONS
(477) NE BATTERY AND WASHINGTON. Alter present saloon front.
Owner—Buckbee, Thorne & Co., 151 Sutter St., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma St., San Francisco.
COST, $940

ALTERATIONS
(478) NE CLAY AND DRUMM. Alter store front.
Owner—A. Harris & Co., 180 Jessie St., San Francisco.
Architect—None.
Contractor—L. J. Deibel, 2453 Buchanan St., San Francisco.
COST, $975

ALTERATIONS
(479) NW CLEMENT & ELEVENTH Ave. Raise, alter and make additions for store and residence.
Owner—Martin Bordegeray, Premises.
Architect—Gustave Stahlberg, 407 Flatiron Bldg., San Francisco.
Day's work. COST, $1900

DWELLING
(480) W CONCORD 150 N Morse. One story and basement frame dwelling.
Owner—P. Horgan, 915 Pierce St., San Francisco.
Architect—None.
Day's work. COST, $2,500

ALTERATIONS
(481) NO. 222 CRAUT. Alter entrance to store, doors, windows, etc.
Owner—J. A. Lombard Co., Premises.
Architect—None.
Contractor—Daniel O'Neill, 273 Minna St., San Francisco.
COST, $500

ALTERATIONS
(482) SW DIVISADERO & SUTTER. Change present saloon front and alter interior for store.
Owner—Buckbee, Thorne & Co., 151 Sutter St., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma St., San Francisco.
COST, $1450

ALTERATIONS
(483) SE FIFTEENTH AND CHURCH Alter present (2) flats into (6) 2 and 3-room apartments.
Owner—J. Quinn, NE 16th and Church St., San Francisco.
Architect—A. W. Richardson, 941½ Church St., San Francisco.
Day's work. COST, $4000

RESIDENCES
(484) E FAXON AVE 120 and 175 S Pizarro. Two one-story and basement frame residences.
Owner—Frank Cole Barnes,— Miramar Ave., San Francisco.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—G. W. Morris, 132 Judson Ave., San Francisco.
COST, $6000 each

REPAIRS
(485) SE FOLSOM & EIGHTEENTH. Repair fire damage to stove foundry.
Owner—Steiger & Kerr Foundry Co., 18th and Folsom, San Francisco.
Architect—None.
Contractor—J. Pattinson, 925 The Alameda, Berkeley.
COST, $3000

ALTERATIONS
(486) NE FILLMORE AND UNION. General alterations for soft drink store, magazines, etc.
Owner—Davis & Williams, 2198 Union St., San Francisco.
Architect—A. A. Cantin, 68 Post St., San Francisco.
Contractor—M. H. Loblaw, 2222 Fillmore St., San Francisco.
COST, $900

ADDITION
(487) NO. 1517-B GOLDEN GATE Ave. Addition of two rooms to upper flat.
Owner—Dr. A. A. Phoener, Premises.
Architect—None.
Day's work. COST, $1500

STORES
(488) W HYDE 137-6 N Golden Gate Ave. One-story brick (2) stores.
Owner—Frank S. Kelly, 1005 Larkin St., San Francisco.
Architect—B. R. Christensen, 320 Lick Bldg., San Francisco.
COST, $10,000

SHAVING BURNER
(489) NO. 120 HOOPER. Construct brick shaving burner.
Owner—Edwin T. Peterson, Premises.
Architect—None.
Day's work. COST, $600

ALTERATIONS
(490) S HARRISON 125 W Eighth. Raise present office and construct additional story.
Owner—Wm. Halkett, 1215 Harrison St., San Francisco.
Architect—None.
Contractor—H. L. Hatch, 4439 Geary St., San Francisco.
COST, $500

DWELLINGS
(491) W MIRAMAR 171 and 211 N Westwood Drive. Two one-story and basement frame dwellings.
Owner—C. A. Hall, 1301 Fourth Ave., San Francisco.
Architect—None.
Day's work. COST, $3000 each

ALTERATIONS
(492) NO. 433 POWELL. Alter hotel lobby and office arrangement.
Owner—Chancellor Hotel, Premises.
Architect—None.
Contractor—Joseph Cahen, 333 Kearny St., San Francisco.
COST, $3000

GARAGE
(493) NO. 50 PIEDMONT ST. Erect private garage in rear and construct brick steps and wood stairs for residence.
Owner—Dr. R. G. Hosking, Premises.
Architect—Geo. M. Merritt, 3015 Geary St., San Francisco.
Contractor—Geo. M. Merritt, 3015 Geary St., San Francisco.
COST, $1000

ALTERATIONS
(494) NO. 1601 POLK. General interior and exterior alterations for drug store.
Owner—Waklee Drug Co., Inc., 101 Powell St., San Francisco.
Architect—Rowell & Collins, Claus Spreckels Bldg., San Francisco.
Contractor—Thos. S. Hoin, 1739 Washington St., San Francisco.
COST, $800

APARTMENTS
(495) SW SACRAMENTO AND SCOTT Three-story and basement frame (6) apartments.
Owner—Ella M. Hansen, 320 Willard St., San Francisco.
Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.
Contractor—F. L. Hansen, 2000 Polk St., San Francisco.
COST, $30,000

ALTERATIONS
(496) NO. 47 THIRD. Alter for restaurant.
Owner—United Cigar Stores Co., 557 Howard St., San Francisco.
Architect—Gustave Stahlberg, 407 Flatiron Bldg., San Francisco.
Contractor—S. E. Brown, 1434 6th Ave., San Francisco.
COST, $1500

DWELLING
(497) W VICTORIA 100 S Urbano Drive Two-story and basement frame dwelling.
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.
Architect—None.
Day's work. COST, $5000

**RECORDED**

ALTERATIONS
(498) NO. 2315 MISSION. All work for alterations of lodge room into apartments in building.
Owner—John Catto, 231 8th Ave., San Francisco.
Architect—None.
Contractor—Harry Moran, 778 10th Ave., San Francisco.
Filed Feb. 24, '20. Dated Feb. 24, '20.
Brown coated ..... ½
Completed and accepted..... ½
Usual 35 days..... ⅓
TOTAL COST, $3600
Bond, none. Limit, April 25, 1920. Forfeit, none. Specifications only filed.
NOTE:—Permit reported Feb. 21, 1920. No. 460.

CONCRETE WORK, ETC.
(499) W HYDE 137-6 N Golden Gate Ave W 137-6xN 55. Concrete work, grading, brick work, etc., for one-story Class 'C" building (2 stores).
Owner—F. S. Kelly, 1005 Larkin St., San Francisco.
Architect—B. R. Christensen, 320 Lick Bldg., San Francisco.
Contractor—Emil Hogberg.
Filed Feb. 24, '20. Dated Feb. 20, '20.
Completed to sill height.....$1800
Completed and accepted..... 1800
Usual 35 days..... 1200
TOTAL COST, $4800
Bond, $2400. Sureties, L. R. Sibley and Walter N. Reed. Limit, 20 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today, see No. 488.

APARTMENTS
(500) SE TWENTY-FIRST AVE AND Cabrillo E 30xS 100. All work for two-story frame apartments.
Owner—John J. Driscoll, 133 Geary St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Contractor—John Little.
Filed Feb. 24, '20. Dated Feb. 24, '20.
1st story joists set.....$1500
Frame up ..... 2000
Brown coated ..... 3000
Plastering completed ..... 3500
Completed and accepted..... 3125
Usual 35 days..... 4375
TOTAL COST, $17,500
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

**PERMITS.**

ALTERATIONS
(501) NW MISSION AND TWENTY-first. Close up present stairway and open trap door at curb.
Owner—S. Schwartz.
Architect—None.
Contractor—Wm. M. Reedy, 267 Ellsworth St., San Francisco.
COST, $500

(502) NO. 2097 MARKET. Changes in light courts; plumbing; cement work for restaurant.
Owner—Andrew Nielsen, Premises.
Architect—None.
Contractor—Fin Andersen.
COST, $700

CLASS "C" LIBRARY
(503) W POWELL 137-6 N Washington. One-story and basement Class "C" library.
Owner—Board of Trustees of the San Francisco Public Library, for Trustees of the Carnegie Gift (North Beach Branch.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Various Contractors COST, $54,000

CLASS 'C" LIBRARY
(504) N SACRAMENTO 137-6 W Baker. One-story and basement Class "C" library.
Owner—Board of Trustees of the San Francisco Public Library, for Trustees of the Carnegie Gift (Presidio Branch.)
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Various Contractors. COST, $72,000

ELECTRIC WORK, ETC.
(505) NO. 371 TWENTY-FIRST AVE. Electric work, plumbing, flooring, etc., for residence.
Owner—David E. Coleman, 580 McAllister St., San Francisco.
Architect—None.
Day's work. COST, $900

GARAGE
(506) NO. 17 WEST CLAY PARK (rear). One-story frame private garage.
Owner—F. J. Steele, Premises.
Architect—None.
Contractor—Wm. J. Kleeman, 188 Page St., San Francisco.
COST, $500

FRAME FLATS
(507) S ANZA 30 W 20th Ave. Two-story and basement frame (2) flats.
Owner—Oyen & Midbust, 131 Mangels Ave., San Francisco.
Architect—None.
Day's work. COST, $6000

UNDERPIN WALL
(508) NO. 419 LARKIN. Underpin north wall of present building.
Owner—Lola Steinhart et al, Care Architect.
Architect—Sylvian Schnaittacher, 233 Post St., San Francisco.
Contractor—N. Anderson, 180 Jessie St., San Francisco.
COST, $1100

SHEDS
(509) N PINE 75 W Davis. Erect concrete sheds.
Owner—J. D. Spreckels, 2 Pine St., San Francisco.
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.
Contractor—McLeran & Petersen, 725 Hearst Bldg., San Francisco.
COST, $2500

ALTERATIONS
(510) W SIXTH AVE 185 N Fulton. New tar and gravel roof; plaster front; cement work; painting; partitions, etc., for apartments.
Owner—Samuel McFarland, 505 Mills Bldg., San Francisco.
Architect—None.
Day's work. COST, $10,000

FRAME DWELLINGS
(511) E THIRTY-FIFTH AVE 125 & 150 N Balboa. Two one-story and basement frame dwellings.
Owner—J. W. Wright & Co., 228 Montgomery St., San Francisco.
Architect—None.
Contractor—Standardized Construction Co., 52 11th St., San Francisco.
COST, $4500 each

FRAME RESIDENCE
(512) N ULLOA 32-6 E Thirty-sixth Ave. One-story and basement frame residence.
Owner—E. J. Gallagher, 112 Lyon St., San Francisco.
Architect—None.
Day's work. COST, $3850

**RECORDED.**

ALTERATIONS AND ADDITIONS
(513) NO. 1453 MISSION. All work for alterations and additions to knitting mill.
Owner—Gantner & Mattern Co., Prem.
Architect—Louis M. Upton and Milton Latham, 454 Montgomery St., San Francisco.
Contractor—Taylor & Jackson, Call Bldg., San Francisco.
Filed Feb. 25, '20. Dated Feb. 21, '20.
Completed and accepted.....$2488
Usual 35 days..... 830
TOTAL COST, $3318
Bond, $3318. Surety, American Indemnity Co. Limit, 30 days after Feb. 24. Forfeit; none. Plans and specifications filed.

BUNGALOWS AND GARAGES
(514) LOTS 9, 10, 11, 12, BLK. 3166, Westwood Park. Four one-story frame bungalows and garages.
Owner—Hans Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. H. Strothoff, 2276 15th Ave., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth, San Francisco.
Filed Feb. 25, '20. Dated Feb. 19, '20.
Frames up and enclosed .....$10,000
Brown coated ..... 10,000
Completed and accepted .... 10,000
Usual 35 days ..... 10,000
TOTAL COST, $40,000
Bond, $20,000. Sureties, Chas. Monson and Edwin T. Peters; Forfeit, none. Limit, 90 days. Plans and specifications filed.

RESIDENCE
(515) LOT 15 AND E 2½ FT. LOT 16, Blk. 16. Extension No. 2, St. Francis Wood. All work for a frame residence.
Owner—H. H. Behrens, 140 2nd St. and 639 Masonic Ave., San Francisco.
Architect—None.
Contractor—T. L. Sharman & Son, 1440 Shafter Ave., San Francisco.
Filed Feb. 25, '20. Dated Feb. 24, '20.
Frame up .....$2250
Brown coated ..... 2250
Completed and accepted ..... 2250
Usual 35 days ..... 2250
TOTAL COST, $9000
Bond, $4,500. Sureties, Alfred Bothe and Leon J. Hermitte. Forfeit, $10. Limit, 90 days. Plans and specifications filed.

CONCRETE WORK
(516) COM. AT PT. 306-6 S ISLAIS and 690 E 3rd S 100xE 50. Reinforced concrete work for vegetable oil plant.
Owner—Henry W. Peabody & Co., 64 Pine St., San Francisco.
Superintendent—C. A. Watts, 24 California St., San Francisco.
Contractor—Jas. Pasqualetti as American Concrete Co., 785 Market St., San Francisco.
Filed Feb. 25, '20. Dated Feb. 16, '20.
On 5th of each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $4810
Bond, $4810. Sureties, Maryland Casualty Co. Forfeit, none. Limit, 45 days. Plans and specifications filed.

**PERMITS**

ALTERATIONS
(517) SE ELLIS AND MASON. Alter store fronts.
Owner—Savings Union Bank & Trust Co., Grant Ave. and Market St., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(518) NO. 1129 GRANT AVE. Remodel show windows and remove plaster partitions.
Owner—F. Kole, 1608 Grant Ave., San Francisco.
Architect—None.
Contractor—J. Finnegan, 525 California St., San Francisco.
COST, $700

IRON WORKS
(519) N HARRISON 65 E Eighth. One-story steel and corrugated iron iron works.
Owner—Variety Iron Works, 970 Bryant St., San Francisco.
Architect—None.
Day's work. COST, $1500

ALTERATIONS
(520) NO. 743 HOWARD. Change front, repair floor and plaster walls.
Owner—T. A. Sullivan, 41 Montgomery St., San Francisco.
Architect—None.
Day's work. COST, $1000

MARQUISE
(521) NE MARKET AND STOCKTON. Erect marquise for store.
Owner—Roos Bros., Premises.
Architect—None.
Contractor—Keystone Ornamental Iron & Bronze Works, 300 Natoma St., San Francisco.
COST, $1700

FRAME DWELLING
(522) E MERCED AVE 100.214 N Kensington. One-story and basement frame dwelling.
Owner—Lang Realty Co., Mills Bldg., San Francisco.
Architect—None.
Contractor—Wm. C. Hamerton & Son, 1310 Waller St., San Francisco.
COST, $8000

FRAME DWELLING
(523) N SEVILLE 150 N Cordova. One-story and basement frame dwlg.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco.
COST, $3500

FRAME DWELLINGS
(524) N SEVILLE 175 and 200 W Cordova. Two one-story and basement frame dwellings.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.

Contractor—A. M. Samuelson, 290 Rolph St., San Francisco.
COST, $3700 each

FRAME DWELLING
S TERRACE DRIVE 123 W Santa Clara. Two-story and basement frame dwelling.
Owner—H. H. Behrens, 140 Second St., San Francisco.
Architect—None.
Contractor—T. L. Sharman & Son, 1410 Shafter Ave., San Francisco.
COST, $9000
NOTE:—Recorded contract reported Feb. 26, No. 515.

**RECORDED.**

BRICK BUILDING
(525) SW SEVENTH AND NATOMA 75 on Seventh and 125 on Natoma. All work for one-story and basement brick building.
Owner—T. W. Corder Incorporated.
Architect—None.
Contractor—Samuel Schell, 180 Jessie St., San Francisco.
Filed Feb. 26, '20. Dated Feb. 26, '20.
Excavation done, and foundation walls and piers completed.....$4000
Brick work done and ready for roof joists ..... 7000
Brick work done and roof completed ..... 5000
Completed and accepted..... 5000
30 days after..... 7000
TOTAL COST, $28,000
Bond, $14,000. Sureties, J. A. Brutcher and Wm. A. Rainey. Limit, 60 days. Forfeit, none. Plans and specifications filed.

**PERMITS**

ADDITIONS
(526) NO. 45 FIFTH AVE. Minor additions to residence.
Owner—Mrs. P. Muller, Premises.
Architect—None.
Day's work. COST, $900

FRAME DWELLINGS
(527) E FORTY-EIGHTH AVE 100 and 125 N Fulton. Two one-story and basement frame dwellings.
Owner—Greater City Lumber Co., 3125 Mission St., San Francisco.
Designer—A. H. Ohlsen.
Contractor—A. H. Ohlsen, 574 26th Ave., San Francisco.
COST, $2750 each

ADDITIONS
(528) NO. 1633 FILLMORE. Additions and alterations for store; ratproofing, etc.
Owner—Hersh Bros., 971 Market St., San Francisco.
Architect—None.
Contractor—Antone Petersen, 2722 San Bruno Ave., San Francisco.
COST, $12,000

ADDITIONS
(529) NO. 723 HAIGHT. Addition of rooms for apartments.
Owner—M. I. Asmussen, 964 Noe St., San Francisco.
Architect—None.
Day's work. COST, $900

FRAME DWELLING
(530) W MIRAMAR 131 N Westwood. One-story and basement frame dwlg.
Owner—Mangels Bros., 1142 Naples St., San Francisco.
Architect—Theo. W. Lenzen, Humboldt Bank Bldg., San Francisco.
Day's work. COST, $5000

FRAME GARAGE
(531) W MORRELL PLACE 150 S Broadway. One-story frame private garage.
Owner—R. Buckley, 1351 Broadway, San Francisco.
Architect—None.
Contractor—E. J. Montgomery, 1320 Broadway, San Francisco.
COST, $752

**PERMITS**

ALTERATIONS
(532) NO. 1079 DOLORES. After for basement garage.
Owner—B. Casson, Premises.
Architect—None.
Day's work. COST, $500

CEMENT PLASTER EXTERIOR
(533) SE SANSOME AND PACIFIC. Build scaffold and cement plaster exterior of building
Owner—H. E. Ramaciotti, Montgomery St., San Francisco
Architect—None.
Contractor—Wm. G. Gilmour, 180 Jessie St., San Francisco.
COST, $600

ADDITION
(534) W SCOTT 127-8¼ N Jackson. Add three rooms for apartments and make other alterations.
Owner—Nathan L. Bell, 401 Phelan Bldg., San Francisco.
Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.
Day's work. COST, $8000

ALTERATIONS
(535) NO. 211 KEARNY. Changes on front for bootblack stand, store, etc.
Owner—J. A. Kuppenhelmer, Premises.
Architect—None.
Contractor—Mullen Mfg. Co., 84 Rausch St., San Francisco.
COST, $750

ALTERATIONS
(536) NO. 2626 LARKIN. Alter and add for residence.
Owner—Miss Laura E. Mattoon, 2626 Larkin St., San Francisco.
Architect—None.
Contractor—G. T. Petterson, 35 Montgomery St., San Francisco.
COST, $2200

FRAME DWELLING
(537) E SEVENTEENTH AVE 150 S Cabrillo. One-story and basement frame dwelling.
Owner—E. A. Janssen, 802 Hearst Bldg., San Francisco.
Architect—None.
COST, $3950

**RECORDED**

UNDERPINNING
(538) SW McALLISTER & GOUGH 27-6x60. All work for underpinning west wall of building (store and dwelling).
Owner—Meta Schroeder et al, Prem.
Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—J. M. Johnson, California and Polk Sts., San Francisco.
Filed Feb. 28, '20. Dated Feb. 27, '20.
Completed and accepted.....$468.75
Usual 35 days..... 156.25
TOTAL COST, $625.00
Bond, none. Limit, 10 days after notification of architect to commence work Forfeit, none. Plans and specifications none.
NOTE:—Permit also applied for today.

UNDERPINNING
(539) S McALLISTER 55 W Gough W 55xS 137-6. All work for underpinning of east wall of building.
Owner—Theo. and Louisa Kalkinger, 715 McAllister St., San Francisco.
Architect—Mel I. Schwartz, Nevada Bk. Bldg., San Francisco.
Contractor—J. M. Johnson, California and Polk Sts., San Francisco.
Filed Feb. 28, '20. Dated Feb. 27, '20.
Completed and accepted.....$900
Usual 35 days..... 300
TOTAL COST, $1200
Bond, none. Limit, 10 days after notification of architect to commence work Forfeit, plans and specifications, none.
NOTE:—Permit also applied for today.

**LEASE.**

**San Francisco County.**

Feb. 26, 1920—S SUTTER 62-6 E Hyde E 25xS 87-6. W F Dunn to Rafer J Waters. 5 years. $22,500.
Feb. 24, 1920—NOS. 528, 530, 532 GRANT Ave. James Ward to Sing Fat Co.; 5 years, $18,000.
Feb. 24, 1920—SE FILLMORE and Golden Gate Ave., No. 1298 Golden Gate Ave. Mary Price, Extrx. Est. Wm. E. Price, deceased, to J. A. White; 1 year, $300.
Feb. 27, 1920—NW FIFTH AND MINT Ave 44 5th St. Boyd Investment Co. to Justin and wife Alphonsine Marcillac; 19 months; $6840.
Feb. 27, 1920—E TENTH 250 S Harrison E 185xS 25. Daniel R. and wife Sophie E. Buckley to Charles F. Rodin; 5 years; $800.

## COMPLETION NOTICES

**San Francisco County**

Feb. 20, 1920—LOTS 1 AND 2 BLK "N." Mission Terrace. Mission Terrace Co to H C Lewis..Feb. 19, 1920
Feb. 20, 1920—W SANCHEZ 51-6 N 19th N 25xW 105. Charles Vedell to whom it may concern.....
Feb. 20, 1920—S CLEMENT 70 W 11th Ave W 50xS 75. Jacob Weissbein to Theodore G and Rollin E Meyer. .....Feb. 20, 1920
Feb. 20, 1920—E TWENTY-FOURTH Ave 200 N Balboa N 50xE 120. Jacob Weissbein to Theodore G and Rollin E Meyer.....Feb. 19, 1920
Feb. 20, 1920—LOT 1 BLK 3197, Westwood Park; Lots 23, 24 and 25 Blk 3175, Westwood Park. Herman C Baumann to Robt G Black. Feb 19, '20
Feb. 24, 1920—W COMMONWEALTH Ave. 100 N Geary N 40xW 120. Otto Anderson to whom it may concern .....Feb. 24, 1920
Feb. 24, 1920—NW GOLDEN GATE Ave. and Broderick W 87-6xN 40. Jas. Welsh and Edwin T. Peterson to Jas. Welsh .....Feb. 18, 1920
Feb. 24, 1920—FORESTSIDE AVE. 233.148 N Vicente N 33.333xW 100, lot 22, Blk. 2414, West Portal Park. M. L. Warnock to whom it may concern. .....Feb. 24, 1920
Feb. 24, 1920—N BUSH 137-6 W Taylor — 82-6 N 137-6 E 82-6. Pauline Schoenberg to Whit & Gloor.... .....Feb. 17, 1920
Feb. 25, 1920—LOT 8, BLK. 3107, Westwood Park. Walter Hansen and H. G. Hansen to Hana J. Hansen .....Feb. 20, 1920
Feb. 26, 1920—SE NINETEENTH AV and Cabrillo 32-6x100. John Little to whom it may concern. Feb. 25, 1920
Feb. 26, 1920—SW TWENTY-SECOND Ave and Anza. J W Edmonds to C. S. Allred .....Feb. 26, 1920
Feb. 26, 1920—NW BATTERY AND Pacific 85x27-6. William G Gilmour to whom it may concern... .....Feb. 21, 1920
Feb. 27, 1920—S ROLPH 49 W Morse lot 19, Blk. 12, Crocker Amazon Tract. Martin Person to whom it may concern .....Feb. 25, 1920
Feb. 27, 1920—NW EDINBURGH 175 NE France NE 25xNW 100 ptn lot 6, Blk. 30, Excelsion Hd. Assn. John G. Ryan to whom it may concern .....Feb. 23, 1920
Feb. 27, 1920—SW CALIFORNIA and Front 41-0½x92-3. Mrs. E. H. O'Brien to Barrett & Hilp..... .....Feb. 26, 1920
Feb. 28, 1920—W TWENTY-NINTH Ave 127-6 N California N 25xW 120. Harry B. Allen to whom it may concern .....Feb. 27, 1920
Feb. 28, 1920—W TWENTY-NINTH Ave 152-6 N California N 25xW 120. Harry B. Allen to whom it may concern .....Feb. 27, 1920
Feb. 28, 1920—TAYLOR AND CHESTnut W 72xS 145. Edward Cerruti to G. Grevia .....Feb. 24, 1920
Feb. 28, 1920—COMO. 306.2 S ISLAIS and 370 E Third S 100xE 100. Willits & Peterson to Joseph Pasqualetti (as American Concrete Co.) .....Feb. 23, 1920

**LIENS FILED.**

**San Francisco County.**

Feb. 21, 1920—N UNION 137½ W Steiner. Morris Gibbs vs Anna Hladik .....$902.42
Feb. 21, 1920—N UNION 137-6 W Steiner W 56xN 137-6. Reinhart Lumber & Planing Mill Co. $2-383.33; Johanna Wagner and P O Lind (as Wagner Co.), $200 vs Anna and J C Hladik.....
Feb. 26, 1920—E FIFTEENTH AVE 151-10 S Balboa S 25xE 88-3. Julius Thaler vs. W. B. Schlottman. .....$494.30
Feb. 26, 1920—N UNION 137-6 W Steiner W 55xN 137-6. J W Burtchaell vs J C and Anna Hladik..... .....$327.10
Feb. 26, 1920—W SIXTH AVE 200 S "J" W 120xS 25. D F Sullivan vs Fred Anderson .....$200
Feb. 26, 1920—NW MISPAH AND Chenery N 121.39 W 25 S 115.04 SE 25.79. Eaton & Smith vs Walter C Coughlan .....$680.60

# BUILDING CONTRACTS

## Alameda County

| | | | |
|---|---|---|---|
| 412 | S. F. & O. T. Ry. | Owner | 550 |
| 413 | Same | Same | 690 |
| 414 | Childs | Judges | 500 |
| 415 | Shuffleton | Schnebly | 1800 |
| 416 | Hillen | Owner | 3500 |
| 417 | Hillen | Owner | 3500 |
| 418 | Hillen | Owner | 10500 |
| 419 | Davis | Songy | 750 |
| 420 | Ballard | Cameron | 2000 |
| 421 | Flanagan | Hart | 4450 |
| 422 | Hobart | MacGregor | 4000 |
| 423 | Street | Short | 29500 |
| 424 | Jessen | Cal Bldrs. Co. | 3250 |
| 425 | Button | Owner | 6000 |
| 426 | Kwsca | Owner | 6000 |
| 427 | Kern | Owner | 5800 |
| 428 | Heywood | Smith | 450 |
| 429 | Venus | Whalin | 950 |
| 430 | Elgarten | Irish | 1400 |
| 431 | Gilbert | Owner | 2500 |
| 432 | Gilbert | Owner | 5000 |
| 433 | Turrell | Stolte | 3500 |
| 434 | Novelty | Owner | 780 |
| 435 | Freadman | Moe | 400 |
| 436 | Morgensen | Owner | 4500 |
| 437 | City of Bkly | Sorensen | 82429 |
| 438 | Bassett | Lee | 400 |
| 439 | Munfrey | Owner | 1000 |
| 440 | Davis | Irish | 1200 |
| 441 | Koch | Clark | 2000 |
| 442 | Healy | Owner | 2500 |
| 443 | Rhodes | Long | 2250 |
| 444 | Bischoff | Owner | 4000 |
| 445 | Wolf | Williams | 15000 |
| 446 | Woodard | Woodard | 4000 |
| 447 | Lakeshore | Strang | 16000 |
| 448 | Hume | Knowles | 3500 |
| 449 | Bosacca | McLeod | 750 |
| 450 | Floyd | Sorensen | 18270 |
| 451 | S L Canning | Casperetto | 3200 |
| 452 | S P R R | Kopperud | —— |
| 453 | Malley | Malley | 7000 |
| 454 | Hunter .. | Hopper | 7800 |
| 455 | Weinstock | Shrader | 973 |
| 456 | Simon | Simon | 300 |
| 457 | Jepson | Starr | 4400 |

SHED
(412) W GROVE 100 N Jones St., Oakland. Shed.
Owner—S. F. & O. T. Railway, 22nd and Grove, Oakland.
Architect—None.
Day's work. COST, $550

GARAGE
(413) W GROVE 100 N Jones St., Oakland. Garage.
Owner—S. F. & O. T. Railway, 22nd and Grove, Oakland.
Architect—None.
Day's work. COST, $690

REPAIRS
(414) NO. 54 VERNON St., Oakland. Repairs.
Owner—C. W. Childs.
Architect—None.
Contractor—F. J. Judges, 536 39th St., Oakland.
COST, $500

ALTER AND REPAIR
(415) NO. 35 PARKSIDE DRIVE, Berkeley. Alter and repairs to dwelling.
Owner—S. L. Shuffleton, Premises.
Architect—None.
Contractor—Schnebly & Hostrawser, 6th and Jackson Sts., Oakland.
COST, $1800

DWELLING
(416) S BOND 156 E Vicksburg, Oakland. One-story five-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
COST, $3500

DWELLING
(417) S BOND 290 E Fairfax Ave., Oakland. One-story, 5-room dwlg.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
COST, $3500

DWELLINGS
(418) S BOND 130, 290, 330 E Cole, Oakland. Three one-story, five-room dwellings.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
COST, $3,500 each

REPAIRS
(419) NO. 912 FILBERT, Oakland. Repairs.
Owner—H. Davis, 723 Union St., Oakland.
Architect—None.
Contractor—Chas. Songy & Co., 2626 Union St., Oakland.
COST, $750

DWELLING
(420) NO. 825 FIFTY-SECOND ST., Oakland. One-story, 3-room dwlg.
Owner—Loretta F. Ballard, Premises.
Architect—None.
Contractor—H. C. Cameron, 5619 Dover St., Oakland.
COST, $2000

DWELLING
(421) W TWENTY-EIGHTH AVE. 600 S E-16th St., Oakland. One-story, seven-room dwelling.
Owner—A. W. Flanagan, 725 36th Ave., Oakland.
Architect—None.
Contractor—F. G. Hart, 2419 E-20th St., Oakland.
COST, $4450

DWELLING
(422) W WALKER AVE. 450 S Cottage St., Oakland. One-story, six-room dwelling.
Owner—Lawrence C. Hobart, 4324 Montgomery, Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
COST, $4000

FRAME APARTMENTS
(423) LOT 4 BLK 22, Lakeside Tract, Oakland. All work except steam heating plant, and hot water system for two-story frame apartments.
Owner—Margaretha B. Street, Oakland
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—C. W. Short, 245 Acton Place, Oakland.
Filed Feb. 24, '20. Dated Feb. 24, '20.
Sheathed ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $29,500
Bond, $15,000. Sureties, Lucy N. Hutchins and Louise H. Short. Limit, 130 days. Forfeit, none. Plans and specifications filed.

DWELLING
(424) LOTS 7 AND 8 BLK "A" Lincoln Park Tract, Oakland. All work for one-story 5-room dwelling.
Owner—Mrs. R. A. Jessen.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland.
Filed Feb. 24, '20. Dated Jan. 27, '20.
Payments not given.....
TOTAL COST, $3250
Bond, limit, forfeit, plans and specifications, none.

DWELLING
(425) W ETON AVE. 80 N Claremont, Berkeley. Two-story, six-room dwlg.
Owner—I. W. Button, 347 63rd St., Oakland.
Architect—None.
Day's work. COST, $6000

DWELLING
(426) NO. 1108 SHATTUCK AVE., Berkeley. Two-story, seven-room dwlg.
Owner—E. T. Kwsca, 1931 Hopkins, Berkeley.
Architect—None.
Day's work. COST, $5000

DWELLING
(427) SAN MATEO ROAD AND Mendocino Park, Berkeley. Two-story, eight-room dwelling.
Owner—Herbert F. Kern, 965 Indian Rock Ave., Berkeley.
Architect—None.
Day's work. COST, $6800

ALTERATION
(428) NO. 1900 University Ave., Berkeley. Alteration.
Owner—W. H. Heywood.
Architect—None.
Contractor—Harry C. Smith, 2011 Francisco, Berkeley.
COST, $450

ALTERATION
(429) NO. 1422 BROADWAY, Oakland. Alteration.
Owner—The Venus, Premises.
Architect—None.
Contractor—W. E. Whalin, 323 Lester Ave., Oakland.
COST, $950

ADDITION
(430) NO. 1247 FIRST AVE., Oakland. Two-story addition.
Owner—Dr. M. Elgarten, Premises.
Architect—None.
Contractor—H. E. Irish, 2214 Clement Ave., Alameda.
COST, $1400

DWELLING
(431) W HIGH ST. 118 N Lyon Ave., Oakland. One-story, 4-room dwlg.
Owner—Gilbert & Warner, 3615 E-14th St., Oakland.
Architect—None.
Day's work. COST, $2500

DWELLINGS
(432) N LYON AVE. 100-220 W High St., Oakland. Two one-story, four-room frame dwellings.
Owner—Gilbert & Warner, 3615 E-14th St., Oakland.
Architect—None.
Day's work. COST, $2500 each

DWELLING
(433) N PIPPIN ST. 170 W Apple St., Oakland. One-story, 5-room dwlg.
Owner—H. N. Turrell, Langdon Court Apartments, Oakland.
Architect—None.
Contractor—F. C. Stolte, 3449 Laguna Ave., Oakland.
COST, $3500

FACTORY
(434) S SIXTY-FIRST ST. 40 W Lowell St., Oakland. One-story, 2-room factory.
Owner—Novelty Products Co., Berkeley Bank Bldg., Oakland.
Architect—None.
Day's work. COST, $780

ADDITION
(435) NO. 358 SANTA CLARA AVE., Oakland. Addition.
Owner—Paul Freadman, Premises.
Architect—None.
Contractor—H. A. Moe, 527 43rd St., Oakland.
COST, $400

DWELLING
(436) N VIRMAR AVE. 163 E Broadway, Oakland. One-story, six-room dwelling.
Owner—Morgensen Bros., 413 44th St., Oakland.
Architect—None.
Day's work. COST, $4500

CARPENTRY, ETC.
(437) BOUNDED BL BANCROFT Way, Grove St., Channing Way and Milvia St. Carpentry and mill work for High School.
Owner—The High School Board of Education of the City of Berkeley and Berkeley High School District in the County of Alameda, State of California.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—Walter Sorensen, 3219 Ellis St., Berkeley.
Filed Feb. 25, '20. Dated Feb. 19, '20.
1st Saturday after 1st Tuesday 75%
Usual 35 days ..... 25%
TOTAL COST, $82,429
Bonds, $42,000 and $42,000. Sureties, Maryland Casualty Co.; Forfeit, none. Limit, 125 days. No plans and specifications filed.

GARAGE
(438) NO. 1338-40 EIGHTH ST., Alameda. Garage.
Owner—F. N. Bassett and J. F. Morehead, Premises.
Architect—None.
Contracto—Samuel Lee, 1832 San Antonio Ave., Alameda.
COST, $400

ALTERATION
(439) NO. 3209 FERNSIDE BLVD., Alameda. Alteration.
Owner—W. O. Munfrey, Premises.
Architect—None.
Day's work. COST, $1000

SHED
(440) N END JAY ST., Alameda. Shed.
Owner—W. R. Davis, 404 29th St., Oakland.
Architect—None.

Contractor—H. E. Irish, 2214 Clement Ave., Alameda.
COST, $1200

ALTERATION
(441) NO. 1513 PARK ST., Alameda. Alteration.
Owner—Mrs. Amelia Koch, 415 Belvedere St., San Francisco.
Architect—None.
Contractor—R. P. Clark, 2214½ Santa Clara Ave., Alameda.
COST, $2000

DWELLING
(442) N BLACKSTONE 48 E Baker, Berkeley. One-story, 5-room dwlg.
Owner—P. J. Healy, 842 37th St., Oakland.
Architect—None.
Day's work. COST, $2500

GARAGE
(443) NW RUSSELL AND SHATtuck, Berkeley. Garage.
Owner—Rhodes-Jamieson Co., Berkeley.
Architect—None.
Contractor—Roy O. Long, 2146 Shattuck Ave., Berkeley.
COST, $2250

DWELLING
(444) S RUSSELL 225 E College Ave., Berkeley. One-story, six-room dwelling.
Owner—John A. Bischoff, 2717 Russell St., Berkeley.
Architect—None.
Day's work. COST, $4000

APARTMENTS
(445) SE WOOLSEY AND COLLEGE, Berkeley. Two-story, 19-room apartments.
Owner—Mary Hays Wolf.
Architect—C. F. Masten and L. W. Hurd, Foxcroft Bldg., San Francisco.
Contractor—Chas. C. Williams, Syndicate Bldg., Oakland.
COST, $15,000

DWELLING
(446) W EDGEWOOD 100 S Hollywood, Oakland. One and one-half story, five-room dwelling.
Owner—Mabel Woodard.
Architect—None.
Contractor—E. W. Woodard, 535 Merritt Ave., Oakland.
COST, $4000

DWELLINGS
(447) N LONGRIDGE ROAD 250-300 E Calmar Path, Oakland. Two two-story, eight-room dwellings.
Owner—Lakeshore Highlands Co., 1460 Broadway, Oakland.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $8,000 each.

DWELLING
(448) NO. 4320 PIEDMONT AVE., Oakland. One-story, four-room dwlg.
Owner—C. E. Hume, Premises.
Architect—None.
Contractor—Wm. Knowles, Central Bank Bldg., Oakland.
COST, $3500

ADDITION.
(449) NO. 1630 THIRTEENTH ST., Oakland. Addition.
Owner—Peter Bosacca, 1421 14th St., Oakland.
Architect—None.
Contractor—M. McLeod, 1729 7th St., Oakland.
COST, $750

FRAME DWELLING
(450) CLAREMONT COURT, Berkeley All work for two-story and basement frame dwelling.
Owner—Mrs. B. C. Floyd, 3133 College Ave., Berkeley.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Contractor—Walter Sorenson, 3219 Ellis St., Berkeley.
Filed Feb. 26, '20. Dated Feb. 21, '20. Owner pays bills 1st day of each month .....
TOTAL COST, $18,270
Bond, $9135. Surety, Maryland Casualty Co. Limit, none. Forfeit, none. Plans and specifications filed.
NOTE:—Contractor gets 10%.

CANNING BUILDING
(451) BOUNDED S THORNTON ST., E Alvarado St., N Parrot St., San Leandro. Concrete walls for one-story canning and wareroom building.
Owner—San Leandro Canning Co.
Architect—Leonard H. Thomas, Russ Bldg., San Francisco.
Contractor—U. Casperetti and G. Cristina, San Francisco.
Filed Feb. 26, '20. Dated Feb. 21, '20.
Ready for pouring..... ¼
Pouring completed ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $3200
Bond, $1600. Sureties, Charles Dellara and S. Firpo. Limit, 20 days. Forfeit, none. Plans and specifications filed.

GRADING ETC.
(452) MELROSE, Oakland. All work of grading and constructing roadbed, length of 5040 feet and pave crossings (approximately 6,300 sq. ft.)
Owner—S. P. Railroad.
Architect—None.
Contractor—A. H. Kopperud, 2030 High St., Oakland.
Filed Feb. 26, '20. Dated Feb. 22, '20.
End of each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, grading, 45c per cu. yd.; pavement, 13c per sq. ft.
Bond, $1900. Sureties, Globe Indemnity Co. Forfeit, none. Limit, 30 days. Plans and specifications filed.

DWELLING
(453) NE LAKESHORE AND ROSAL Oakland. Two-story 8-room dwlg.
Owner—F. T. Malley, 3007 Grove St., Oakland.
Architect—None.
Day's work. COST, $7000

DWELLING
(454) E PORTAL AVE 225 N Ashmount, Oakland. Two-story 7-room dwelling.
Owner—Vere W. Hunter.
Architect—None.
Contractor—M. E. Hopper & Son, 12 Linda Ave., Oakland.
COST, $7800

ALTERATIONS
(455) TWENTY-THIRD AND BROADway, Oakland. Alterations.
Owner—Weinstock Nichols Co.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland.
COST, $973

DWELLING
(456) NO. 1322 BANCROFT WAY, Berkeley. One-story 4-room dwlg.
Owner—Chas. Simon, 1324 Bancroft Way, Berkeley.
Architect—None.
Day's work. COST, $900

DWELLING
(457) NO. 1225 MONTEREY AVE., Berkeley. One-story 5-room dwelling
Owner—Anna Jepson, 1832 Delaware St., Berkeley.
Architect—None.
Contractor—C. M. Starr, 2019 Delaware St., Berkeley.
COST, $4400

## COMPLETION NOTICES

### Alameda County

Feb. 11, 1920—LOTS 29 AND 30 BLK 6, Regent Park Tract No. 4, Albany, C E Mentzer vs J P MacDougal and Helen J MacDougal.....$690.40
Feb. 14, 1920—NE FOREST 47.85 NW Miles Ave NW 30xNE 100, Okd. E T Lesure vs Douglas and Jane Dos White .....$218.10
Feb. 19, 1920—LOT 10 BLK 1 Map Brougher Ppty., Okd. B A Banker to Leslie R Wilson.....Feb. 18, 1920
Feb. 19, 1920—PTN. EX.MISSION Surveys No. 147 and 165. Pacific Gas & Electric Co. to Herman Bosch .....Feb. 11, 1920
Feb. 24, 1920—ALAMEDA PIER, Alameda, S. P. Railroad to Imp. Mfg. Co., Ltd.....Feb. 20, 1920
Feb. 24, 1920—OAKLAND PIER, Oakland. S. P. Railroad to Ransome Randle Co.....Jan. 31, 1920
Feb. 25, 1920—NW GLENDORA and El Centro Aves. 39.55x101.87, Oakland. Rebecca A. Pratt to whom it may concern..Feb. 20, 1920
Feb. 25, 1920—N SANTA CLARA AV 50 W Willow St., W 50xN 140, Alameda. Elbridge F. Russell to Fred Miller .....Feb. 16, 1920
Feb. 24, 1920—SE WARD AND Ellsworth Sts., S 94-6xE 43-6, Berkeley. Leslie R. Wilson to whom it may concern .....Feb. 21, 1920

### LIENS FILED.

### Alameda County

Feb. 18, 1920—LOTS 1, 2, 3, 4 AND 5 Blk "B" Fruitvale Addition Tract, Okd. E M Williamson vs F E Targhan, W G Harlen and C M MacGregor, 1st Savings Bank of Oakland and John and Richard Doe and Oakland Development Co. Lot 1, $31.30; Lot 2, $23.60; Lot 3, $18.60; Lot 4, $30.50; Lot 5, $30.50.....
Feb. 21, 1920—SW E-FOURTEENTH 286.44 W 55th Ave SE 606.44 SW 1866.29 NW 643.98 NW 581.01 NE 1701.61, Okd. George Wagner vs Federal Wool Mfg Co.....$16,020.16

### BUILDING CONTRACTS.

#### Santa Clara County.

BUILDING
E WASHINGTON ST. bet. Franklin and Liberty Sts., Santa Clara. All work on the building, including excavating, concrete cement work, brick work, iron and steel work, lumber and millwork, roofing, hardware, etc., for one-story brick and frame building.
Owner—V. A. Scheller, 1st National Bank Bldg., San Jose.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractors—A. R. Morrison & K. Morrison, Santa Clara, also 130 S Market St., San Jose.
Filed Feb. 16, '20. Dated Feb. 12, '20.
Progessive payments of ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $8,672
Bond, $4,336. Sureties, J. G. Kennedy and Christy A. Morrison. Forfeit, $4. Limit, 100 working days after date of agreement. Plans and specifications filed.

CONCRETE BUILDING
MARKET ST., San Jose. All work of excavation, reinforced concrete and cement work, cement dash of front, steel and iron work, hardware, carpenter work and lumber, galvanized iron work, skylights and rails and glazing of same. All sewer and plumbing, millwork, roof complete, etc., for reinforced concrete building with cement floor and frame construction skylights, etc.
Owner—Marie J. Delmas, 38 Post St., San Jose.
Architect—Louis Theodore Lenzen, 110 S 2nd St., San Jose.
Contractor—E. Nommensen, 134 So. 8th St., San Jose.
Filed Feb. 14, '20. Dated Feb. 9, '20.
Installments of 75% up to....$14,582
Usual 35 days ..... 5,000
TOTAL COST, $19,582
Bond, $9,791. Sureties, A. L. Hubbard and Neil Carmichael. Forfeit, $20. Limit, 75 days after filing of contract. Plans and specifications filed.

RESIDENCE
LOT 14, SAN JUAN EXT. SUB. ON Campus Leland Stanford, Jr., University. Tile work for bath rooms, lavatories, etc., and finishing mantels, but not including any stone work for a two-story and a half class "B" residence.
Owner—Mrs. Lou Henry Hoover, Stanford University, Cal.
Architect—A. B. Clark, Palo Alto.
Contractor—Robert Howden & Sons, 1115 Webster St., Oakland.
Filed Feb. 6, '20. Dated Jan. 31, '20.
On 1st of each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $5300
Bond, $2,650. Sureties, National Surety Company of New York. Forfeit, Limit, none. Plans and specifications filed.

HARDWOOD FLOORS ON ABOVE.
Contractor—Geary Floor Co., 110 Jessie St., San Francisco.
Filed Feb. 6, '20. Dated Jan. 31, '20.
Feb. 16, 1920 ..... $500

On 1st of each month ..... 75%
Usual 35 days ..... 35%
TOTAL COST, $3260
Bond, $1630. Sureties, New Amsterdam Casualty Co. Forfeit, Limit. none. Plans and specifications filed.

FRAME BUILDING
NAGLEE PARK TRACT, San Jose. All work of excavation, filling, concrete, carpenter, electric and sheet metal work, millwork, lumber, hardware, lathing and plastering, plumbing, sewering, heating, painting and decorating, etc., for one-story frame plastered building.
Owner—Mrs. Fannie H. Ryan and Mrs. Irene R. Jenkinson, 297 S 12th, San Jose.
Architect—None.
Contractor—Frank L. Hoyt, 566 N 16th St., San Jose.
Filed Feb. 3, '20. Dated Jan. 29, '20.
Foundation completed .....$3000
Lathing and plastering Comp.. 2000
Building completed ..... 2013
Usual 35 days ..... 3000
TOTAL COST, $11,013
Bond, Sureties, Forfeit, none. Limit, 60 working days after Feb. 3, 1920. Plans and specifications filed.

FRAME BUILDING
CAMPUS OF LELAND STANFORD, JR., University, Palo Alto. All work except plumbing and painting for a two-story frame building.
Owner—The Board of Trustees of the Leland Stanford, Jr., University, 603-608, Insurance Exchange Bldg., San Francisco.
Architect—John K. Branner.
Contractor—Frank W. Fox, 825 Copper, Palo Alto.
Filed Feb. 16, '20. Dated Feb. 9, '20.
Completion of rough framing and rafters in place .....$1643
Wired and plastered ..... 1643
Building completed ..... 1644
Usual 35 days ..... 1645
TOTAL COST, $6575
Bond, $6575. Sureties, W. P. Gray and Wm. S. Bigler, Palo Alto. Forfeit, $5. Limit, 100 working days after recording of the contract. Plans and specifications filed.

PLUMBING AND SEWER WORK ON above.
Contractor—Cashel Bros, 200 Homer, Palo Alto.
Filed Feb. 16, '20. Dated Feb. 9, '20.
Rough plumbing completed....$457
Completed ..... 458
Usual 35 days ..... 310
TOTAL COST, $1225
Bond, Sureties, none. Forfeit, $5. Limit, 100 working days after recording contract. Plans and specifications filed.

PAINTING, ENAMELING, TINTING, staining, varnishing and waxing on above.
Contractor—J. M. Taylor, Mountain View, Cal.
Filed Feb. 16, '20. Dated Feb. 9, '20.
Exterior work completed .....$214
Completed ..... 214
Usual 35 days ..... 145
TOTAL COST, $573
Bond, Sureties, none. Forfeit, $5. Limit, 100 working days from date of recording contract. Plans and specifications filed.

COTTAGE
SE TULLY AND WHITE ROADS, near San Jose. One-story frame cottage.
Owner—P. Michels, Co. of Santa Clara.
Architect—None.
Contractor—George Linblom, 519 W San Carlos, San Jose.
Filed Feb. 6, '20. Dated Feb. 3, '20.
Frame up .....$1775
First coat of plaster on ..... 1775
Complete ..... 1775
Usual 35 days ..... 1775
TOTAL COST, $7100
Bond, $3600. Sureties, Otto E. Schnable and S. H. Chase. Forfeit, none. Limit, 60 working days from Feb. 6, 1920. Plans and specifications filed.

ADDITION
FOURTH AND MARTHA STS., San Jose. Addition.
Owner—Geo. Fuhrman, 449 So. Market St., San Jose.
Architect—None.
Contractor—R. O. Summers, 17 N-1st St., San Jose.
COST, $2000

COTTAGE
JEFFERSON AND NINETEENTH Sts., San Jose. Four-room cottage.
Owner—Geo. K. Holloway, San Jose.
Architect—None.
Day's work. COST, $1800

ALTERATIONS
NO. 230 N. FIRST ST., San Jose. Alterations.
Owner—W. J. Benson Co., Premises.
Architect—None.
Contractor—C. W. Klinkert, San Jose.
COST, $1000

COTTAGE
PALM HAVEN AND CLINTONIA, San Jose. Six-room cottage.
Owner—L. D. Bohnett, 29 Nortridge, San Jose.
Architect—None.
Contractor—E. A. Bevins, 130 Coe, San Jose.
COST, $5000

## COMPLETION NOTICES.

### Santa Clara County.

Recorded Accepted
Feb. 14, 1920—NEAR SARATOGA, Santa Clara County. Hamilton Morgan to H. O. Anderson.....Feb. 1, 1920
Feb. 17, 1920—CORNER OF ELM and Emory Sts., San Jose. Grace M. Carter to F. B. Wise....Feb. 17, 1920
Feb. 2, 1920—SW COR. OF EMPIRE and North Twelfth Sts., San Jose. Vincent De Cola to S. De Cola;...Feb. 2, 1920
Feb. 18, 1920—LOT NO. 4, BLK. 40, Palo Alto. Mabel L. King to R. W. Follmer.....Jan. 31, 1920
Feb. 10, 1920—LOTS 9 AND 9-A OF J. B. Randol's Addition to the Chapman & Davis Tract, San Jose. Clifford R. Palmer and Bertha P. Palmer to A. K. Burkett..Feb. 9, 1920

## BUILDING CONTRACTS.

### Fresno County.

DWELLING AND GARAGE
LOTS 3 AND 4 BLK 19, North Park Tract, Fresno. Dwelling and garage
Owner—F. W. Bagley, 105 Webster St., Fresno.
Architect—None.
Day's work. COST, $5000

DWELLING
NO. 520 FERGER AVE., Fresno. Dwelling.
Owner—Paul Bourzac, 526 Ferger Ave., Fresno.
Architect—None.
Day's work. COST, $4000

DWELLING AND GARAGE
LOTS 21 AND 22, Harris-Euless Sub., Fresno. Dwelling and garage.
Owner—C. M. McAllister, 417 Fresno Ave., Fresno.
Architect—None.
Day's work. COST, $5500

DWELLINGS AND GARAGES
PTN. LOTS 1 TO 4 BLK 3, Leona Heights, Fresno. Three dwellings and garages.
Owner—D. L. Newman, 3611 Huntington Blvd., Fresno.
Architect—None.
Contractor—J. C. Clark, 203 Griffith-McKenzie Bldg., Fresno.
Cost, $3500 each

DWELLING AND GARAGE
LOT 6 BLK 4, Alta Vista Tract, Fresno. Dwelling and garage.
Owner—E. J. Allen.
Architect—None.
Contractor—C. E. Buckmaster, 1712 Lewis St., Fresno.
COST, $4700

DWELLING AND GARAGE
LOTS 1 AND 2 BLK 7, College Addition, Fresno. Dwelling and garage.
Owner—R. Stalling, 2926 Washington St., Fresno.
Architect—None.
Contractor—C. E. Mullhollen.
COST, $4500

DWELLING AND GARAGE
W 50' LOT 3 BLK 6, Cedar Park, Fresno. Dwelling and garage.
Owner—Ewing-McDaniel & Meux, Inc., 1929 Fresno Ave., Fresno.
Architect—None.
Contractor—Reese & Atkins, 3613 Flatt St., Fresno.
COST, $3000

DWELLING
LOT 3, ½ OF LOT 2 BLK 34, Fresno. Dwelling.
Owner—Harry Rehn, 2168 Kirk St., Fresno.
Architect—None.
Contractor—Al Cole, 1110 Belmont St., Fresno
COST, $3000

BLACKSMITH SHOP
LOTS 13 TO 16 BLK 4, Fresno. Blacksmith shop.
Owner—G. C. Cetti.
Architect—None.
Contractor—Paulsen & Stange.
COST, $2600

OIL STATION
LOT 28 BLK 6, Fresno. Oil station.
Owner—F. J. Spalding.
Architect—None.
Contractor—C. C. Russell, 3417 Lowe St., Fresno.
COST, $1000

DWELLING AND GARAGE
LOT 10, BLK. 28, ALTA VISTA, Fresno. Dwelling and garage.
Owner—R. C. Kennedy, 1026 "N" St., Fresno.
Architect—None.
Day's work. COST, $3760

DWELLING
LOT 15, BLK. 18, BELMONT ADD, Fresno. Dwelling.
Owner—E. A. Nichols, 2544 White St., Fresno.
Architect—None.
Day's work. COST, $4000

DWELLING AND GARAGE
N ½ OF LOT 13, BLK 2, MEADOW Brook Tract, Fresno. Dwelling and garage.
Owner—P. G. Nixon, 1357 "M" St., Fresno.
Architect—None.
Day's work. COST, $4500

STORE
LOTS 7, 8, BLK. 67, Fresno. Store.
Owner—Daniel Kalyjian, 1832 Santa Clara, Fresno.
Architect—L. H. Nishkian, Monadnock Bldg., San Francisco.
Day's work. COST, $18,000

STORE
LOTS 28, 29, BLK. 18, GRAND AVE. Park, Fresno. Store.
Owner—A. Kiehl, 2135 S Cherry, Fresno
Architect—None.
Contractor—Thos. Cavanaugh, 3535 Grant, Fresno.
COST, $1500

ADDITION
NO. 531 WILSON AVE., Fresno. Addition.
Owner—M. Samuel, 531 Wilson, Fresno.
Architect—None.
Day's work. COST, $1000

DWELLING AND STORE
LOTS 11, 12, BLK. 3, DEAN PARK, Fresno. Dwelling and store.
Owner—J. I. Graham, Fresno.
Architect—None.
Day's work. COST, $1000

DWELLING AND GARAGE.
LOT 41, BLK. 11, FRESNO HEIGHTS, Fresno. Dwelling and garage.
Owner—Thos. Huntington, 831 "I" St., Fresno.
Architect—None.
Contractor—Hart & Son, Fresno.
COST, $4,000

DWELLING
LOT 2, BLK. 3, MT. OLIVE, Fresno. dwelling.
Owner—E. C. Rudorff, Fresno.
Architect—None.
Contractor—John Scott, 445 Thomas, Fresno.
COST, $2500

DWELLING AND GARAGE
LOT 7, BLK. 19, WILSON, North Fresno. Dwelling and garage.
Owner—A. P. Wilson, 1279 Wishon, Fresno.
Architect—None.
Contractor—Short & Neads, 127 Fresno Ave., Fresno.
COST, $18,000

DWELLING AND GARAGE
NO. 468 HOWARD ST., Fresno. Dwelling and garage.
Owner—Hiram Routt, 1916 Thomas St., Fresno.
Architect—None.
Contractor—G. C. Cannon, 2039 Fresno, Fresno.
COST, $7,000

### COMPLETION NOTICES.

#### Fresno County.

Recorded Accepted
Feb. 21, 1920—WALSH SUB. LOTS 23 to 26, Weihe Home Tract (Sta. Meter, etc). Fresno. Pacific Gas & Elec. Co to whom it may concern.. .....Feb. 12, 1920
Feb. 24, 1920—LOTS 5, 6, BLK 20, North Park Terrace, Fresno. Chas. E. Chess and R. M. Peterson to whom it may concern...Feb. 24, 1920
Feb. 24, 1920—FIRST 300 FT. ON L St. N of 5th St., Sanger. Paul Kershaw to whom it may concern .....Feb. 11, 1920
Feb. 25, 1920—S 22½ FT. LOT 7 N 15 ft. lot 8, Blk. 8, Fisher's Villa Add, Fresno. L. N. Patterson to whom it may concern .....Feb. 25, 1920

### NOTICE OF NON-RESPONSIBILITY.

#### Fresno County.

Feb. 21, 1920—LOTS 1 TO 5 BLK 74, Fresno. O J Woodward as to improvements on leased property...

### BUILDING CONTRACTS.

#### Sacramento County.

REMODEL
NO. 923 THIRD ST., Sacramento. Remodel interior restaurant.
Owner—W. & K., Sacramento.
Architect—None.
Contractor—P. F. Reed, 2545 28th, Sacramento.
COST, $1200

DWELLING AND GARAGE
NO. 2714 "Y" ST., Sacramento. Five-room, one-story dwelling and garage.
Owner—A. W. Ingram, 2501 "Y" St., Sacramento.
Architect—None.
Contractor—P. F. Reed, 2545 28th St., Sacramento.
COST, $5000

DWELLING AND GARAGE
NO. 2813 TWENTY-THIRD ST., Sacramento. Five-room dwelling and garage.
Owner—M. E. Schrieber, Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura, Sacramento.
COST, $4200

BOILER HOUSE
FACING ALLEY, "F," "G," 6TH, and 7th, Sacramento. Concrete, brick and steel boiler house.
Owner—California Packing Co., 611 "G" St., Sacramento.
Architect—None.
Contractor—McGillivray Construction Co., 717 Capitol Bank Bldg., Sacramento.
COST, $5495

DWELLING
NO. 2961 SECOND AVE., Sacramento. One-story, five-room dwelling.
Owner—C. J. Hopkins, Sacramento.
Architect—None.
Day'a work. COST, $3000

STAIRS
NO. 516 "K" ST., Sacramento. Build stairs.
Owner—F. C. Roller, Sacramento.
Architect—None.
Contractor—H. C. Martin, Sacramento.
COST, $6500

SODA WATER PLANT.
NO. 310 "M" ST. (rear), Sacramento. Soda water plant.
Owner—W. Moll, Sacramento.
Architect—None.
Contractor—G. Pendergast, 1311 22nd St., Sacramento.
COST, $3600

### BUILDING CONTRACTS.

#### San Joaquin County.

BUILDING
LOT 7, BLK 4, MIKESELL ADDITION, Manteca. Building.
Owner—W. F. Lyons, Manteca.
Architect—None.
Contractor—H. J. Ross, Manteca.
COST, $5897

BUILDING
E 28½ LOT 3, BLK. 1, EXT. of Center St., Stockton. Building.
Owner—H. Genzer. 38 E Main, Stockton.
Architect—None.
Contractor—Totten & Trewhitt, 44 S. San Joaquin St., Stockton.
COST, $2500

BUILDING
LOT 3 AND 4, BLK 4, SUBD. NO. 2, Stockton Acres, Stockton. Building.
Owner—A. Holland, 325 So. Hunter, Stockton.
Architect—None.
Contractor—H. E. and H. W. Vickroy, 127 E South St., Stockton.
COST, $4636

### COMPLETION NOTICE.

#### Sacramento County.

Recorded Accepted
Feb. 20, 1920—LOT 9, BLVD. PARK, Sacramento. A. G. Folger to W. R. Saunders .....Feb. 20, 1920

### LIENS FILED.

#### San Joaquin County.

Recorded Amount
Feb. 21, 1920—SW ¼ OF THE SW ¼ and the W ½ of the SE ¼ of the SW ¼ of Sec. 15, also E 36 acres of NE ¼ of NW ¼ of Sec. 22, all in T 2 S, R 7 E, containing 96 acres. Leo E. Meneley vs. W. R. Lewis, W. F. King and Knud Jorgenson....$430

### FAR EASTERN TRADE NOTES.

[Prepared by the Far Eastern Division, Bureau of Foreign and Domestic Commerce, to which refer for fuller particulars. The district and co-operative office have reserve information where reference number is given.]

**Appointment of Japanese Commercial Attaches.**

It is reported that Japan is planning to appoint two commercial attaches—one to the United States, whose office will be in New York City, and one to China, whose office will be in Shanghai. The appointment will depend upon the passing by the Diet of the new budget for 1920, which has just been announced.

**Engineers' Association Organized in Peking.**

For the advancement of engineering knowledge and practice, the maintenance of high professional standards, and the fostering of a spirit of co-operation a new society, called the Association of Chineae and American Engineers, has been formed in Peking. The provisional constitution was signed by 38 engineers.

**Canton Christian College to Have New Building for Sericulture Work.**

As the result of a recent conference between the American Silk Association and the trusteea of the Canton Christian College, a building is to be erected at the college for use in connection with the instruction in sericulture that are to be given.

**American Trade Publications in the Public Library of New South Wale**

American Vice Consul Balford Shields reports that there are in th reference files of the Public Library New South Wales, Sydney, over 2,00 trade catalogues from American man facturers, and that these are consult frequently by merchants anxious compare descriptions of articles fro other countries with those that are be had from America. The consula forwards to the public library a trade catalogues that it receives duplicate, and the back numbers trade and technical magazines as ne isues are received.

**American Dredges for Tin Mining Malaya.**

According to American Consul G. Logan, Penang, Straits Settlement the success of the American dredg now operating in the fields of t Malay Peninsula has given mark impetus to the installation of such m chinery, which is further assisted the scarcity and increased wagea the Chinese coolies by whose ha labor tin recovery has been acco plished heretofore almost entirel Dredges not only work the virg fields cheaper but have been found even work profitable in ground a ready worked over by primitive met ods.

**American Ready-Made Houses of In terest in Sumatra.**

The high cost of construction f houses and bungalows at Brastagi, t health resort of Medan, Sumatra, h seriously impeded the development this popular resort, and interest h therefore been awakened in the Am ican type of ready-made bungalow (Refer to file No. FE-91.)

**Insurance Agencies in the Straits Settlements.**

While there are several foreign i surance companies doing business Penang, no American company is op ating in the district, as far as can ascertained. There would seem to b an opportunity for the establishme of American agencies writing li marine, fire, motor, accident, fidelit and other forms of insurance. (Ref to file No. FE-86.)

**America's Trade with the Dutch Ea Indies.**

This seems to be the time, when t exporters of other countries are p paring to resume their pre-war tra relations with the Dutch East Indi for American traders to consider b best to meet the demands of the ma ket. If Americans offer the best bus ness propositions there is not muc doubt but what Americans will get th trade, but if merchants of other n tionalities make better propositio the trade will be theirs. (For sugge tions as to points worthy of consider tion contained in a report by John Fowler, Trade Commissioner to th Dutch East Indies, refer to file N FE-81.)

**Australia to Conserve More of Its Ow Products—Advertising Novelties Wanted.**

During the past five years the val of the canned foodstuffs imported in Australia from the United States h increased from $700,000 to $1,946. Recently a sentiment has been growin to conserve more of their own produc and to establish new canneries, whi will be equipped with modern mach

ery. In the five years ending with 1916 the value of the machinery installed in such plants increased from approximately $40,000,000 to $85,000,000. In 1916 there were 241 meat and fish preserving plants and 139 fruit and jam preserving plants in the Commonwealth. (For name of dealer interested in receiving catalogues and information concerning canning machinery, refer to file No. FE-89.)

**Japanese Cable Rates.**

According to a translation from the Japanese Official Gazette furnished by Commercial Attache J. E. Abbott, the cable rates to the United States vary from 96 cents per word to California to $1.08 to New York via Shanghai and Manila. Messages by way of Vladivostok and Europe vary from $1.47 to California to $1.38 to New York, while messages via Australia are sent at the rate of from $1.73 to California to $1.81 to New York.

**Hotel Rates in Japan and Shanghai, China.**

Advice from Japan under date of December 8, 1919, states that a single room, with bath and meals for two people at the Yokohama hotels costs $24 per day, while the same accommodations in Tokyo cannot be had for less than $26 per day. Hotel rates in Shanghai, in December, were reported as $8 for one in a room and from $9.50 to $12.50 American money, for two, in addition to the necessary extra $0.50 per day for heat in winter, $1 for bottled water and a $0.50 daily minimum for sundry tips. It is well for persons desiring to land at any Far Eastern port to cable from San Francisco for accommodations owing to crowded conditions in these countries.

## FAR EASTERN TRADE NOTES.

[Prepared by the Far Eastern Division, Bureau of Foreign and Domestic Commerce, to which refer for fuller particulars. The district and cooperative offices have reserve information where reference number is given.]

**An Anglo-American-Chinese Club at Tientsin.**

The Anglo-American-Chinese Commercial Club of Tientsin, China, has recently been formed by local merchants of these nationalities interested in the import and export trade of North China for the purpose of increasing mutual commercial understanding through closer personal relationship, as in the similar club recently formed in Shanghai.

**Road Construction in the Amoy Consular District, China.**

Construction work has been begun on a 7-mile stretch of the road from An-hai (north of Amoy) in the direction of Chuanchow, a city about 20 miles distant, to which it is planned to eventually extend the road. The American consulate has been informed that a contract has been placed in Manila for six or seven motor trucks for use for passenger and freight transportation when this highway is completed. There is also a project for a road from Shihma (west of Amoy) to Changchow, but the construction has not yet been commenced. Two wide roads have recently been completed in Changchow city, and it is proposed to open these to motor traffic.

**Far Eastern Market for Farm Tractors**

There are certain factors that enter into the question of the market possibilities for tractors in all Far Eastern countries. Among these are the comparatively small areas of the individual farms, the limited possible purchasing power of the individual farmers, the high cost of gasoline and other fuels, the nature of the soil to which machinery must frequently be adapted by modification, and, in some countries, the ignorance of those who would have to operate the machines. On the other hand, the shortage of food and the scarcity and high cost of labor have induced many of the Government officials and large estate owners to attempt to solve these problems by the introduction of modern methods and implements. (Refer to file No. FE-90.)

**Need of Agricultural Machinery in Formosa.**

American Consul H. B. Hitchcock, Taihoku, Taiwan, reports that the sugar companies in Formosa are suffering acutely from a labor shortage on the plantations, and that while some are endeavoring to solve the difficulty by importing Chinese coolie labor from Foochow others are turning to the use of modern agricultural machinery. As the proposed industrial development of the island will eventually further aggravate the shortage of labor for agricultural purposes, it would seem an opportune moment for American manufacturers of agricultural machinery to bring their products to the attention of the sugar companies operating in Formosa, a list of which may be obtained by requesting file No. FE-11004.

**Japanese Developing Iron Deposits at An Shan, Manchuria.**

A Sino-Japanese company have constructed a modern iron plant and coke ovens at An Shan, Manchuria, for developing the extensive iron-ore deposits of that vicinity. The furnaces and by-product coke ovens are of the German types, made near Dairen, in the shops of the South Manchurian Railway Co., which owns a controlling interest in this company. On account of its low grade, the iron ore will have to be concentrated before it can be successfully smelted. The concentration problem has not yet been solved. In connection with the plant, the company has just built a modern industrial town of occidental type at tremendous expense, all buildings being of brick or brick and stone. The South Manchurian Railway Co., which is an organization of the Japanese Government, is most energetic in developing the resources of Manchuria. It maintains a geological survey bureau for determining the mineral deposits; a large, modern chemical research laboratory, a ceramic laboratory, and furnishes the financial backing for a large percentage of the Japanese industrial projects throughout Manchuria. Its extensive and well-equipped railway shops do a great deal of work of wide variety, not alone for the railroad itself, but also for the many industries in which the company is interested.

## PAN AMERICAN CONFERENCE INDORSES METRIC SYSTEM.

The following resolution was unanimously passed at the final general session of the second Pan American Financial Conference held in Washington, D. C., January 19 to 24, 1920:

XIV. Resolved, That the conference recommends that the metric system of weights and measures be universally employed, and that, pending the attainment of that end, articles weighed and marked and shipping documents prepared, according to the system of weights and measures now prevailing in the United States, should be accompanied with statements giving the equivalents under the metric system.

## CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings as reported to California Development Board by the several clearing house cities for last week showing the amount of increase on corresponding date last year:

| | | Increase |
|---|---|---|
| San Francisco | $128,485,022 | $28,789,830 |
| Los Angeles | 55,643,000 | 25,848,000 |
| Oakland | 8,645,779 | 2,439,643 |
| Sacramento | 4,462,612 | 1,068,320 |
| San Diego | 2,724,659 | 492,651 |
| Fresno | 3,813,026 | 1,681,373 |
| Stockton (b) | 4,860,100 | ..... |
| Bakersfield | 1,017,205 | 407,165 |
| Pasadena | 1,684,651 | 679,075 |
| Santa Rosa | 284,524 | ..... |
| Long Beach | 2,500,078 | 1,504,199 |
| Berkeley | 2,392,308 | ..... |

(b) Bank debits.

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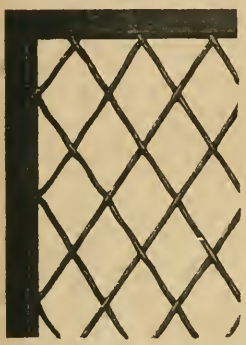

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## NATIONAL HEADQUARTERS

63 East Adams St. Chicago, Ill.

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**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

Chapter Office 700 Marston Building 244 Kearny St., San Francisco

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J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEADQUARTERS.

The recent action of the Tacoma Chapter of the American Association of Engineers in making a report on the types of paving used in Pierce County as a means of settling the dispute regarding expenditure of public funds for street and road improvement, is a fine example of the real benefit which local organizations of engineers can confer upon a community by active participation in civic affairs. Pierce County, in which Tacoma is situated, recently bonded itself for $2,500,000 for paving roads. When the first call for bids was issued a controversy arose concerning the type of pavement to be used. This resulted in a warm argument, but one in which the newspapers had not taken sides.

The report of the chapter did not recommend any particular type of paving, but discussed various types from a standpoint of construction cost and depreciation, various comparative data were included in the report, which holds that "power to determine the type of pavement should be vested in the engineer. The engineer alone should select the type, form and thickness of the pavement to be used, and should be permitted to vary the plan of construction even in the several parts of the same highway so as to best overcome difficulties and take advantage of local conditions." The report was prepared by F. J. Walsh, consulting engineer, Port of Tacoma; F. H. Cushman, assistant engineer of the city of Tacoma; and J. A. Pritchard, assistant engineer for the County of Pierce.

This report resulted in an editorial in the Tacoma Ledger favorable to the policy recommended. The editorial is entitled "Paving with Horse Sense." "We take it," says the Ledger, "that they do not advocate that every road be paved with concrete or that every road be paved with bitulithic, but that all roads be paved with horse sense. One cannot read the report without feeling that whoever wrote it was doing the work without prejudice."

The editorial discusses the remainder of the report and commends it most highly. "If the spirt of this report is carried out it would not be necessary for any paving trust to attempt to program the entire paving of the country. It would obviate the possibilty of one county commissioner going into office predisposed to one type of pavement and another county commissioner predisposed to still a different kind. It would take the paving question out of the sordid political muddle. It would save the county commissioners the embarrassment which arises from the importunities of their particular political friends. . . . In short, we believe it would bring about the only contention for which The Ledger has been fighting in the paving proposition—that is, that there be good judgment used to the end that the taxpayer gets a dollar's worth of paving for every dollar expended."

### The Fortnightly Engineering Service Review.

The demand for technical men is becoming more noticeable by the Service Department of the American Association of Engineers. Although the demand for engineers on both the design and supervision of construction is usually great at this season, it appears to be more acute this year due to the standstill on construction projects for the last two or three years. Conditions in the lumber, steel and building material industries indicate that construction projects are to be started on a large scale this spring.

In the last few months production has had the hardest schedule since the completion of war contracts, and from all indications this increase will continue. As a result there is a heavy demand for mechanically trained men not only on the design and layout of mechanical devices, but also in such executive capacities as work managers, production managers and efficiency men.

Construction work is opening up in the East and Central States, with a few foreign projects which demand the services of all grades of field men and superintendents of building construction. The supply cannot keep up with the demand. One of the questions that must be considered by employers of engineers is "What are we to do to fill the vacancies of technical men who have left the engineering field to enter some other line of work where the remuneration is in keeping with the present cost of living.

The New York Chapter of the American Association of Engineers adopted a resolution on February 11, requesting that the recent failure of the canopies at the Playhouse and Rivoli Theatre in New York should be investigated by the city building department with a view to safe-guarding against similar failures.

Senate Bill No. 91, introduced in the Legislature of Virginia by the Engineers' and Architects' Association of Lynchburg, which provided for registration of professional engineers, has been withdrawn at the request of the Richmond and Tidewater Virginia Chapters of the American Association of Engineers. These organizations felt that the bill was not representative of the conclusions that have been reached reguarding requirements of registration bills, and have since caused the introduction of Senate Bill No. 226, which contains many improvements over the one withdrawn.

According to latest reports Mr. W. H. Finley, who has been president of the Chicago and Northwestern Railway during the period of Government control, will retain that position after March 1. Mr. Finley was formerly chief engineer of the Chicago and Northwestern. He was president of the American Association of Engineers from May, 1918, to May, 1919, and is now director of the association.

The Philadelphia Chapter has elected the following officers for 1920: President, Edmund J. Fitzmaurice, of the firm of Ballinger and Perrott, architects and engineers; First Vice-President, J. J. Crowe; second Vice-President, Jos. Chapin; Third Vice-President, E. E. Keller; Recording Secretary, H. H. Cramer; Treasurer, Jesse R. Henderson; Executive Secretary, H. F. Kuzen.

The following officers have been elected for 1920 by the Ogden (Utah) Chapter: President, W. F. Turner; Vice-President, H. J. Craven; Secretary E. H. Kidder; Assistant Secretary, B. W. Matterson; Treasurer, W. S. Craven.

The Swarthmore College Engineers' Club voted on February 11 to affiliate with the American Association of Engineers as a student chapter. At present there are about twenty-five or thirty members, and it is expected that this membership will be increased to eighty soon. Edmund P. Smith is president, Howard Jenkins is vice-president, and Edmund E. Bartleson, secretary and treasurer. The club was founded about 1914 to promote the interests of students in engineering.

The American Association of Engineers on February 25 had 12,863 members, several thousand applicants are yet to be acted upon.

The first meeting of the Illinois State Assembly of the American Association of Engineers will be held on March 5 and 6 at Urbana. All Illinois chapters will be represented.

Representation will be on the following basis: 20 to 100 members, one delegate; 100 to 499 members, two delegates; 500 to 1499, three delegates; 1500 to 2999, four delegates. Votes will be on the basis of one for each 100 members of the chapter. A chapter of 500 would have three delegates with a total of 5 votes; chapter of 1500 would have 4 delegates with 15 votes.

What was no doubt one of the largest and most successful local meetings ever held by engineers was that held by the Milwaukee Chapter of the American Association of Engineers on February 24. The triple attraction of a meeting advocating ethical organizations of engineers as opposed to unions; Isham Randolps, eminent consulting engineer of Chicago; and Secretary C. E. Drayer of the American Association of Engineers, resulted in an attendance of 700 or more engineers of Milwaukee, Racine and Kenosha.

Organization of engineers for the promotion of their economic interests was advocated by Dr. Randolph, who depreciated the tendency of some of the embryo engineers to become affiliated with union organizations. Mr. Drayer pointed out the splendid results that have been accomplished by the American Association of Engineers. He outlined the work of the Service Department, of the Railroad Department, which has obtained substantial increases for a great majority of the railroad professional engineers of the United States, and touched upon the other activities of the association.

The large attendance was due in some measure to the preliminary advertising. Publication and direct by mail advertising methods were both employed to arouse interest in the meeting. The engineers of Milwaukee and vicinity were communicated with through letters pointing out the purpose of the meeting. Half a dozen display advertisements appeared in the various papers of Milwaukee, Kenosha and Racine.

### SAN FRANCISCO CHAPTER.

**New Engineering Society Leads in Membership.**

The American Association of Engineers now has over twelve thousand members, and is the largest of the National Engineering Societies in the world.

The object of the new association is to improve the social and economic status of engineers.

The San Francisco Chapter has over four hundred members, who meet on the first Thursday of each month at the Engineering Club, 57 Post street.

### ENGINEERS PROPOSE INCREASED FIRE PROTECTION.

Mr. J. J. Rosedale has been appointed chairman of a committee to propose changes in the Building Code in order to secure greater protection from fire. This action was taken as a result of the lecture last month by Mr. Jay Stevens of the Western Bureau of Fire Underwriters on the subject "America's Greatest Crime." The American Association of engineers is taking up many civic questions in line with their policy to offer the public their services in matters pertaining to the profession of engineering.

V. D. COUSINS.
For American Assn. of Engrs.

### ENGINEERING ASSOCIATION ABSORBS INDEPENDENT SOCIETIES.

The North Carolina Society of Engineers has applied for amalgamation with the American Association of Engineers under the leadership of Doctor W. C. Riddick, President of the North Carolina State College.

The Northwestern Society of Highway Engineers voted at its January meeting to amalgamate with the American Association of Engineers, and has elected G. V. Skelton, President and J. W. De Souza as Secretary.

V. D. COUSINS.
For American Assn. of Engrs.

### GREAT DEMAND FOR PROFESSIONAL ENGINEERS.

To the Editor of the "Building and Engineering News":

The American Association of Engineers reports a great demand for professional engineers in all industrial centers. The supply of engineers has been reduced materially by the number going into more lucrative lines of business. Salaries for engineers have started upward, at last, and detailers on structural design work received from two hundred to two hundred and fifty dollars per month, while transitmen are securing one hundred and seventy-five dollars per month.

V. D. COUSINS.
For American Assn. of Engrs.

### CONTRACT ROAD UNITS COST $1,800,000.

### HIGHWAY WORK AWARDED TAKES HALF OF BOND ISSUE.

**Engineer Jensen Makes Report on Costs to Board.**

In a report presented to the Board of Supervisors yesterday Engineer Chris Jensen shows the total mileage of the county highway system under contract or for which bids will be called for on March 15 at 79.60 miles. The total cost of the projects is $1,871,953.35 of which $157,290 is the estimated cost of the 7.49 mile Fowler-Selma unit, which has not been awarded.

The distribution of the roads according to supervisorial districts follows:

Jorgensen—Whites Bridge avenue, 13.70 miles, $358,256.46; Belmont avenue, 1.21, $38,601.01; Elm avenue, 2 miles, $38,142; total, 16.91, $461,999.47

Lochead—Blackstone avenue, 5.35, $96,078.32; Shaw avenue, 4.98, $89,339.50; total, 10.35, $185,417.82.

Johnson—Van Ness avenue, 0.17, $5,064; Ventura avenue, 0.50, $14,301; Elm avenue, 2 miles, $38,142; total, 2.67, $57,507.

Wells-Elm avenues, 8 miles, $152,376.69; Adams avenue, 2.21, $58,144.27; Coalinga roads, 10.46, $259,780.07; Fowler-Selma, 7.49 (estimated), $157,290, total, 28.16, $627,591.03.

Collins—Ventura avenue, 9.99; $286,028.48; Adams avenue, 2, $52,620; Reedley via Adams avenue, 9.54, $200,789.55; total, 21.53, $539,438.03.

### NATIONAL ASSOCIATION OF OWNERS OF RAILROAD SECURITIES.

BALTIMORE, Md.—Railroad investors regard the financial provisions of the railroad bill reported to Congress by the Senate and House Conferees the most satisfactory program of business legislation ever devised by a law-making body, according to officers of the National Association of Owners of Railroad Securities.

This is indicated in a catechism issued by the investors briefly stating the features of the bill regarded as vital to railroad credit and the future financial position of the carriers.

The catechism is being widely distributed in investment business circles and in other directions in which interest in the future of the railroads has developed.

Representatives of the investors will make every effort, through a campaign of public education, to win the support for the measure. They will endeavor to influence other investors directly or indirectly interested in transportation securities, to the end that business men may be informed concerning the importance of sound railroad legislation.

The bill as agreed upon by the conferees embodies the main financial features of the plan proposed to Congress by the National Association of Owners of Railroad Securities during the early consideration of railroad legislation. The views of investors, which became known as the Warfield Plan, was introduced by S. Davies Warfield, president of the Association.

The following pertinent questions and answers are contained in the catechism:

"Does Section 6 of the Cummins Bill guarantee any return to the railroads?"

"It does not. It neither guarantees to any railroad a specific return nor obligates the Government to make good any deficit. Section 6 directs the Interstate Commerce Commission to establish rates or a rate level which will yield a return of 'as nearly as may be' 5½ per cent on the aggregate fair value of the railroads grouped in each of such number of rate districts as the Commission may determine. If the rates provided by the Interstate Commerce Commission do not yield as much as 5½ per cent on aggregate value the loss is the railroads."

"Can a rate level be established that will care for the necessities of the majority of the railroads and essential to sustain the transportation system as a whole without giving to a few favorably situated roads more earnings than the public will stand for"?

"No, it is not possible. In order to permit rates to be established to sustain transportation as a whole, Section 6 provides that after 6 per cent has been earned by any railroad upon its fair value, the excess beyond this shall be divided between the road earning it and a public fund."

"Does this mean that Section 6 takes

(Continued on page 23)

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES

Sub-Figures Being Taken. To be Done by Days Work.
ADDITIONS, ETC. Cost, $10,000
SAN FRANCISCO. W Scott 127-8 N Jackson Street.
Add 3 rooms for apartments and make other alterations.
Owner—Nathan L. Bell.
Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $40,000
SAN FRANCISCO. California Street near Gough Street.
Three-story and basement frame and plaster apartment house (6 and 7 room apts. with 3 bathrooms each).
Owner—Withheld.
Architect—E. J. Osborn, 821 Balboa Bldg., San Francisco.
Plans will be ready for figures in about three weeks.

Additional Contracts Awarded.
APARTMENT HOUSE Cost, $30,000
SAN FRANCISCO. S Sacramento bet. Fillmore and Steiner Streets.
Two-story and basement frame and plaster apartment house (8 4-room apts.) 6 garages in basement.
Owner—Jefferson W. Asher, Cr. Strand Theatre, 965 Market St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
**General Contractor**—J. Harold Johnson, $11,800.
**Hardwood Floors** awarded to The Geary Floor Co., 180 Jessie St.
**Steam Heating** to C. Peterson Co., 730 Larkin St., $2,450.
**Plumbing** to C. Peterson, $1,875.
**Painting** to C. B. Sovig, 180 Jessie St., $1,354.

Sub-Figures Being Taken.
APARTMENTS Cost, $——
SAN FRANCISCO. NW Post and Ophia Streets.
Six-story and basement reinforced concrete apartments, 60x60 (49 2-room apts.)
Owner—A. F. Rousseau.
Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Plans Being Figured.
APARTMENTS Cost, $25,000
SAN FRANCISCO. Hyde near Geary.
Three-story reinforced concrete apartment house (6 3-room apts.)
Owner—Withheld.
Architect—J. F. Dunn, Phelan Bldg., San Francisco.

Plans Being Prepared.
APT. HOUSE. Cost, $250,000
FRESNO. NW "N" and Kern Sts.
Six-story reinforced concrete apartment house (94 2-room apartments.)
Owner—Not given.
Architect—Glass & Butner, Hearst Bldg., San Francisco, and Cory Bldg., Fresno.
NOTE:—This building was originally planned to be four stories high, additional ground has been purchased and the plans for the building are being enlarged.

Contract Awarded.
APARTMENTS Cost, $21,000
SACRAMENTO, Cal. No. 2620 "I" St.
Two-story frame (8 4-room) apartments.
Owner—Kohler Estate, 2630 "I' St., Sacramento.
Architect—None.
Contractor—F. A. Holdener, 2310 "J" St., Sacramento.

Plans Being Figured.
APARTMENTS Cost, $30,000
SAN FRANCISCO. Geary Street near Hyde Street.
Five-story reinforced concrete apartments, 8 3-room apts. (1 store).
Owner—Withheld.
Architect—J. F. Dunn, Phelan Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $750,000
SAN FRANCISCO. SW Bush and Taylor Streets.
Six or twelve-story Class "A" apartment house, 87-6x137-6 (2 to 5-rm apts.)
Owner—A. Penziner, 745 Baker St., San Francisco.
Architects—A. Penziner and E. H. Denke, 1317 Hyde St., San Francisco.
It has not been decided whether a six or twelve-story building will be erected. If a twelve story structure is erected it will contain 350 rooms.

Plans Being Prepared.
APT. HOUSE. Cost, $160,000
VENICE, Los Angeles Co., Cal.
Six-story Class "A" reinforced concrete apartment house, 36x147 (36 four-room apartments.)
Owner—Wm. D. Alt, 15 Polama Ave., Venice.
Construction Engineer—Owner.

### BANKS

Plans Being Figured.
ALTERATIONS. Cost, $——
ST. HELENA, Napa Co., Cal.. Main St.
Alterations to bank building.
Owner—Carver National Bank.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Steel Figures Being Taken.
BANK, ETC. Cost. $1,500,000
SAN FRANCISCO. Sansome, Battery, Sacramento and Clay Streets.
Five-story Class "A" bank and office building (strong enough to carry 15 stories.)
Owner—Federal Reserve Bank.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.
Mr. Walker is ready to take figures for the fabrication and delivery of steel. Bids for the erection will be taken later.

Figures Being Taken From a Selected List of Contractors.
BANK BUILDING Cost, $——
COLMA, San Mateo Co., Cal.
One-story reinforced concrete bank building.
Owner—Colma State Bank.
Architect—Paul F. De Martini, 2123 Powell St., San Francisco.
The contract will be awarded in a few days.

Contracts Awarded.
ALTERATIONS Cost, $50,000
WATSONVILLE, Santa Cruz Co., Cal.
Extensive alterations to bank and office building.
Owner—Pajaro Valley National Bank.
Architect—M. G. West C.o, 385 Market St., San Francisco.
**Marble Work** awarded to The Vermont Marble Co.
**Fixture Work** to Ostlund & Johnson, San Francisco.
**Bronze Work, Etc.,** to Keyseone Ornamentad & Bronze Works.
**Carpenter and Mill Work** by day labor.

### BONDS

VALLEJO, Solano Co., Cal.—The City Council is considering the proposal of the City Engineer, T. D. Kilkenny, to submit to the voters on May 4th, the proposition of voting bonds with which to finance the repairing of petrolithic and bituminized streets in North and South Vallejo as well as improving the aproaches to Georgia and Virginia sewer in the northern section of the city. The improvements, according to estimates compiled by City Engineer Kilkenny, will cost about $263,359.
Alf. E. Edgecumbe is City Clerk.

NAPA, Napa Co., Cal.—The proposition of issuing bonds of $150,000 to finance the paving of all streets connecting with the State highway failed to carry at a recent election.
(33270) 1st report Feb. 7; 2nd Feb. 13.

SACRAMENTO, Cal.—Highway construction in California during the current year was assured when the Anglo London Paris Bank of San Francisco purchased bonds of the $40,000,000 issue recently authorized to the extent of $3,000,000, at par. One million dollars was paid over some days ago and the balance of two millions will be turned into the state highway fund March 1.

STOCKTON, San Joaquin Co., Cal.—The election held to vote bonds of $950,000 for construction and additions for elementary schools and $325,000 for high school improvements carried at the election held last week.

CLOVIS, Fresno Co., Cal.—The Trustees of the Clovis High School District has decided to call an election to vote bonds of $35,000 in addition to the $100,000 issue voted last Spring. Increased prices in building materials makes the additional funds necessary.

W. H. Weeks, 75 Post St., San Francisco, has been retained as architect for the structure, which is under construction.

SANTA ROSA, Sonoma Co., Cal.—An election will be held in the Two Rock Valley School District on March 26th to decide the question of issuing and selling bonds of $28,000 with which to finance construction of a new school building.

Capt. Ernest Norberg, Bankers Investment Bldg., San Francisco, is the architect for the new school, which will be a one-story concrete structure.

HAYWARD, Alameda Co., Cal.—The City Trustees have sold $200,000 of the $350,000 bond issue to finance improvements, including a water and sewer system, street improvements, erection of City Hall, purchase of fire equipment, etc.

SACRAMENTO, Cal.—No bids were received by the Supervisors for the purchase of $940,000 school bonds and the Board is now contemplating the sale of the bonds over the counter.

## FACTORIES AND WAREHOUSES.

Plans Being Prepared.
FACTORY. Cost, $500,000 or more.
ELMHURST, Alameda Co., Cal. Several acres on 90th Ave. bet. S. P. and W. P. Railroads.
Class "A" factory buildings. Three units.
Owner—The Palmolive Co., Milwaukee, Wis.
Architect—Engineering Dept. of owners in Milwaukee.
It is planned to start construction on the first two units this spring, at which time representatives of the owners will be in Oakland to take charge of the construction which will be let by contract.
F. W. Le Ballister, Security Bank Bldg., Oakland, represented the Palmolive Co. as industrial engineer in selecting the site.

Contract Awarded.
WAREHOUSE Cost, $20,900
SACRAMENTO, Cal. "R," "S," 10th and 11th Streets.
One-story concrete and brick warehouse.
Owner—Mrs. F. E. and Andrew Carlaw, 720 "N" St., Sacramento.
Lessee—United States Rubber Co., 50 Fremont St., San Francisco.
Contractor—Wm. Murcell, Oschner Bldg., Sacramento.

Bids in and Under Advisement.
WAREHOUSE Cost, $——
SAN FRANCISCO SW Bryant and Kincon Streets.
Five-story reinforced concrete warehouse.
Owner—The Ondama Co., 268 Lee St., Oakland.
Engineer—W. H. Ellison, 369 Pine St. San Francisco.

Figures Being Taken For Materials and Sub-contracts.
CANNERY Cost, $50,000
WALNUT CREEK, Contra Costa Co., Cal. 6 Acres of Land Adj. San Francisco & Sacramento Railroad.
One-story frame and concrete cannery.
Owner—Kirsten & Co., 290 Park View, Oakland.
Architect—Owners.

Figures to Be Taken Next Week for Materials.
WAREHOUSE Cost, $60,000
GUATEMALA.
One-story mill constructed and concrete warehouse.
Owner—Not given.
Architect—Glass & Butner, Hearst Bldg., San Francisco.

Sub-Figures Being Taken.
DRY KILN Cost, $30,000
WILLITS, Mendocino Co., Cal.
Concrete and terra cotta dry kiln.
Owner—Northwestern Redwoood Lumber Co., Willits, Cal.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Bids for the roofing and tile are in and under advisement.

Plans Being Figured.
FRUIT DRYERS Cost, $——
HEALDSBURG, California.
One-story concrete and frame fruit dryer.
Owner—Pacific Evaporating Co., 425 1st National Bank Bldg., San Francisco.
Architect—Walter Falch, Hearst Bldg., San Francisco.
NOTE:—This is the first one of several dryers to be erected in California and Oregon.

Roofing Figures to be Taken Wednesday.
CANNERY Cost, $——
SAN LEANDRO, Alameda Co., Cal. Alvarado Street, bet. Parrott and Thornton.
One-story hollow tile cannery.
Owner—San Leandro Canning Co.
Architect—Leonard H. Thomas, Russ Bldg., San Francisco.
Mr. Thomas will be ready to take figures on March 10th for composition roofing.

Plans Being Figured.
CLASS "C" WAREHOUSE Cost, $20,000
SAN FRANCISCO. Fourth Street near Folsom.
One-story Class "C" warehouse.
Owner—Withheld.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

EUREKA, Humboldt Co., Cal.—Engineer H. J. Brunnier, Sharon Bldg., San Francisco, has awarded contracts for the plumbing and electric work in connection with the construction of the one and two-story reinforced concrete cheese curing plant for the California Central Creameries at Eureka. The following firms submitted the lowest bids and were awarded the contracts:

**Electric Work**—Jansen Elec. Co., of Eureka, $3,892.
**Plumbing** —James & Drucker, 450 Hayes St., San Francisco, $5,000.
**Heating** for office portion to James & Drucker for approximately $2,000.

## GARAGES

Plans Being Figured.
GARAGES. Cost, $——
BERKELEY. SE Woolsey and College Avenue.
Five one-story frame and plaster garages.
Owner—Mrs. Mary Hays Wolf.
Architect—Masten & Hurd, Foxcroft Bldg., San Francisco.

Contract Awarded.
GARAGE Cost, $30,000
WOODLAND, Yolo Co., Cal. Main St.
One-story concrete and brick garage, 16,000 sq. ft. of floor space.
Owner—Miller Automobile Co., Sacramento, Cal.
Architect—None.
Contractor—E. L. Younger, Woodland.

Plans Being Prepared.
GARAGE Cost, $25,000
HANFORD, Kings Co., Cal.
Two-story reinforced concrete garage.
Owner—J. Lewis, Hanford, Cal.
Architect—J. R. Henderson, Tulare.

Contract Awarded.
REPAIR SHOP Cost, $7,550
RENO, Nevada. Coney Island.
One-story corrugated iron garage and repair shop, 50x100.
Owner—Nevada State Highway Commission. C. C. Cottrell, State Highway Engineer, Carson City, Nev.
Architect—F. J. De Longchamp, State Architect, Gazette Bldg., Reno.
Contractor—Conradt Bros., Reno, Nev.
Other bids: E. K. Fowler, Reno, $9,250; R. A. Burrows, Reno, $7,900.

Completing Plans.
GARAGE. Cost, $50,000
VISALIA, Tulare Co., Cal. Locust St.
Two-story reinforced concrete garage.
Owner—Jas. Seabright.
Architect—Glass & Butner, Hearst Bldg., San Francisco, and Cory Bldg., Fresno.
Figures will be taken from the San Francisco office of the architects.

Contract Awarded.
GARAGE, STORE, ETC. Cost, $——
WATSONVILLE, Santa Cruz Co., Cal. W 3rd and Rodriguez Sts.
One-story brick and concrete garage, store and auto sales building (173x182.) (8 stores.)
Owner—Pajaro Investment Co.
Lessee—Appleton Motor Corporation.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Superintendent of Construction—A. L. Koch, Watsonville.
**Concrete Work** to Hushbeck & Kallam.
**Lumber and Millwork** to San Vicente Lumber Co.

Permit Applied For.
GARAGE, ETC. Cost, $30,000
SACRAMENTO, Cal. Stockton Blvd., 35th and 37th Streets.
One-story private garage, boiler house, pump house and 3 corrugated iron buildings

Owner—Standard Oil Co., "R" Street and Stockton Blvd., Sacramento.
Architects—Owners.

Plans Ready For Figures.
GARAGE, ETC. Cost, $20,000
PETALUMA, Sonoma Co., Cal. "C" and Fourth Streets.
One-story brick garage, shop and auto sales building.
Owner—Dr. J. A. McNear, Petaluma.
Lessee—Sparks & Murphey.
Architect—Brainerd Jones, 110 Washington St., Petaluma.

## GOVERNMENT WORK AND SUPPLIES

SAN FRANCISCO, Cal.—Following bids were received by the U. S. Department of Agriculture, Bureau of Public Roads, District No. 2, Mills Bldg., for the construction of a road in Siskiyou County, Klamath National Forest, Sta., 264-00 to 327-01. Engineer's Estimate, $26,557.70.

| | |
|---|---|
| Bennett Co. | $43,193.20 |
| M. J. Blake | 24,960.50 |
| A. Leoni | 27,441.50 |
| Wm. B. Arndt | 25,370.40 |
| W. A. Bechtel | 29,260.30 |
| Edw. H. Martin | 30,831.05 |

SAN FRANCISCO — The following bids were received by J. W. Roberts, U. S. Supervising Superintendent of Construction, 403 Post Office Bldg., 7th and Mission streets, San Francisco, for changes in the second floor of the U. S. Custom House at Washington, Jackson, Sansome and Battery streets, San Francisco:

| | | Alternate |
|---|---|---|
| A. Vogt | $11,483 | $11,683 |
| Thos. Dowd | 11,848 | 11,647 |
| Ed. Ketchum | 12,887 | 12,537 |
| John Flaherty | 13,416 | 13,416 |
| E. W. Ross | 13,990 | ..... |

SAN FRANCISCO — The following bids were received by J. W. Roberts, U. S. Supervising Superintendent of Construction, Post Office Bldg., 7th and Mission streets, for installing an intercommunicating telephone system in the U. S. Marine Hospital at San Francisco:

| | |
|---|---|
| Direct Line Telephone Co. | $3,995.50 |
| Decker Elec. Constr. Co. | 4,272.00 |
| Butte Elec. & Equip. Co. | 4,945.00 |
| Butte Elec. & Mfg. Co. | 5,200.00 |

WASHINGTON, D. C.,—Sealed bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., up to the time as noted at the end of each paragraph:

Schedule 5657, Mare Island, 19,750 pounds sheet copper, opening of March 23.

Schedule 5658, Mare Island, 35,000 pounds spun oakum, opening of March 19.

Schedule 5661, Mare Island, 750 eye protectors, opening of March 19.

Schedule 5665, for Puget Sound, wrought iron, opening of March 19.

Schedule 5668, for Mare Island, 10 air motors, opening of March 12.

Schedule 5670, eastern and western yards, miscellaneous crucibles and covers, opening of March 12.

Schedule 5674, for Mare Island, steel plates and drums, opening of March 19.

Schedule 5675, eastern and western yards, 12 water drums, opening of March 16.

Schedule 5676, for Mare Island, steel pipes, opening of March 19.

Schedule 5683, f. o. b. works, 36 ethyl chloride drums, opening of March 19.

Schedule 5960, for Mare Island, 1 typesetting machine and equipment, opening of March 23.

Schedule 5693, for Mare Island, steel tubes, opening of March 23.

Schedule 5700, for Mare Island, union steam and water elbows, opening of March 26.

MARE ISLAND, Cal.—The following bids were received March 3, at Mare Island for alterations of an existing double quarters, a dormitory and a mess hall and the construction of a new double quarters. (Frame construction.)

Button & Button, Oakland, (a) $36,106, 120 days; (b) $32,701, 120 days.
(Using old plumbing).

Schulz Constr. Co., 46 Kearny St., San Francisco, (a) $37,492, 120 days; (b) $34,990, 110 days.
(Using Crane Co.'s new plumbing).

WASHINGTON, D. C.—No bids were received at Washington on March 3d for constructing a storehouse and three hangars of steel construction with concrete foundations at the Naval Air Station, San Diego, Cal., under Specification No. 4087.

Bids were also opened at San Diego, which will be reported later.

WASHINGTON, D. C.—The following bids were received on March 3, 1920, at Washington, D. C., for furnishing and installing complete power plant and electric generating equipment including piping and accessories and distributing systems for electricity and steam at the Marine Corps Base, San Diego, Calif. Drawings and specification No. 4118.

Bids were also opened at San Diego, which will be reported later.

Stewart Engineering Co., New York. Item (1) $263,000; (2) $48,750; (3) $127,600; (4) $126,750; (5) $1,500; (6) $7,000; (7) $650; (8) $19,500; (9) deduct $6,300.

John W. Danforth, Buffalo, (1) $198,930; (2) $31,200; (3) $77,000; (4) $92,000; (5) add $565; (6) add $1,806; (7) deduct $9,700; (8) deduct $825; (9) deduct, $25,000; (10) deduct $9,000.

SAN DIEGO, Cal.—Com. Norman Smith, public works officer, Timken Bldg., San Diego, expects bids to be called for about April 1 for the erection of the first group of buildings for the naval hospital in Bolboa Park. The group will include administration building with hospital wards, power plant, laundry, nurses' and hospital corps' quarters, officers' quarters and commandant's residence. Cost, $500,000.

SAN DIEGO, Cal.—Southern Electrical Co. of San Diego, submitted the lowest bid at $11,948 for furnishing electric fixtures for six barracks buildings at the marine base on Dutch Flats, San Diego.

SAN DIEGO, Cal.—Lange & Bergstrom, Timken Bldg., San Diego, submitted the lowest bid at $115,327 for constructing concrete foundations and floors and erecting three fabricated steel hangars at North Island naval air station.

No bids were received at Washington for the work.

SAN DIEGO, Cal.—Thomas Haverty Co., Eighth St. and Maple Ave., Los Angeles, submitted the lowest bid at $189,650 to the public works officer of the 12th naval district for distributing systems and power plant equipment at the marine base at San Diego. Bids were also received at Washington, D. C., as follows: John W. Danford, Buffalo, $198,930 and Stewart Eng. Co., N. Y., $263,000. The estimated cost of the work is $150,000.

Treasury Department, Office of the Supervising Architect, Washington, D. C., February 21, 1920.—Sealed proposals will be opened in this office at 3 P. M., March 22, 1920, for the construction or two concrete tanks at the U. S. quarantine station at Port Townsend, Wash., in accordance with the drawings and specification, copies of which may be had at this office or at the office of the custodian at Port Townsend, Wash., in the discretion of the Supervising Architect. JAMES A. WETMORE, Acting Supervising Architect.

## HALLS AND SOCIETY BUILDINGS.

Plans to be Prepared. Site Purchased.
LODGE & STORE BLDG. Cost, $75,000
CHICO, Butte Co., Cal. SE Third street and Normal avenue.
Fireproof lodge and store building.
Owner—Woodmen of the World, Great Oak Camp, Chico, Cal.
Architect—Not Yet Selected.

Preliminary Plans Being Prepared.
LABOR TEMPLE. Cost, $75,000
VALLEJO, Solano Co., Cal. Virginia Street.
Three-story and basement brick Labor Temple (50x130.)
Owner—Vallejo Labor Temple Association, Vallejo, Cal. J. P. Flatt, Sec.
Designer—Geo. Cassidy, 618 El Dorado Street, Vallejo, Cal.
NOTE:—Plans will be completed in about five weeks.

CLUB HOUSE Cost, $400,000
LOS ANGELES, Cal. E Hope Street bet. 6th and 7th Streets.
Eight-story reinforced concrete club house building, 135x165, also a one-story reinforced concrete garage.
Owner—University Club, Los Angeles.
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.
Engineer—Edward L. Mayberry, 468 Pacific Electric Bldg., Los Angeles.

Commissioned to Prepare Plans.
REINFORCED CONCRETE BLDGS. Cost, $——
LOS ALTOS. Santa Clara Co., Cal. Snyder Ranch near Los Altos, 700 acres.
Group of reinforced concrete buildings for St. Patrick's Seminary.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

Construction will be started in October, 1920, to be completed in September, 1921.

## HOSPITALS

Bids Opened. Contract Awarded.
HOSPITAL BLDGS. Cost, $60,000
NEVADA CITY, Nevada Co., Cal. County Hospital Grounds.
Two-story reinforced concrete main building and ward building for County Hospital Group.
Owner—County of Nevada.
Architect—Wm. Mooser, Nevada Bank Bldg., San Francisco.
O. C. Holt, San Francisco..$51,640
Gustave Pettersen, S. F..... 55,906
Alfred Vogt, San Francisco. 57,883
H. H. Larsen & Bro., S. F... 59,780
**Contract awarded** to O. C. Holt, 110 Jessie St., San Francisco.

Commissioned to Prepare Plans.
HOSPITAL Cost, $80,000
SAN PEDRO, Los Angeles Co., Cal.
Fireproof Hospital.
Owner—Harbor Hospital Association.
Architect—Allison & Allison, 1401 Hibernian Bldg., Los Angeles.

## PUBLIC BUILDINGS

Plans Being Figured. Bids Close Mar. 17th, 8 P. M.
BATHHOUSE, ETC. Cost, $38,000
COLUSA, Colusa Co., Cal.
Concrete swimming pool, 40x120; filteration plant, brick or hollow tile and frame bathhouses (stucco exterior). Separate bids will be received for filter system.
Owner—City of Colusa.
Architect—Edwin J. Symmes, Wells Fargo Bldg., 2nd and Mission Sts., San Francisco, Care Yosemite National Park Co.
Certified check of 10% payable to B. L. McCue, Clerk of the Board of Trustees, must accompany each bid.

CARSON CITY, Nev.—C. G. **Spellman** of Reno has been awarded a contract by the Ormsby County Commissioners for the construction of the new county Courthouse, on its bid of $67,735. The amount available for construction is $47,800 and the bid of Spellman will be reduced to that amount through eliminating certain features of construction. Other bids were Howard S. Williams of San Francisco, $98,000 with deductions, $78,200; J. Bernasconi, Reno, $96,000, with deductions, $23,400, and C. G. Sellman, Reno, $78,000, with deductions $11,215.
Plans were prepared by F. J. De Longchampa of Reno.

MODOSTO, Stanislaus Co., Cal.—No bids were received by the City Council for the construction of the new police station in Tenth street near "G." The plans prepared by Architects Weiland, Mazurette & Weiland, Modesto, were ordered revised to reduce the cost of the structure. On completion of revised plans the work will be done by day labor under the supervision of the City Engineer.

ANTIOCH, Contra Costa Co., Cal.—The City Trustees have requested the Contra Costa County Supervisors to appropriate $1,000 as the county's portion in the construction of a branch county jail at Antioch. A $2,000 structure is planned, the remaining $1,000 will be furnished by the Antioch Trustees.

Plans Being Figured. Bids Close Mar. 26th, 2:30 P. M.
COMFORT STATIONS Cost, $——
FRESNO, Fresno Co., Cal. Courthouse Park.
Two one-story reinforced concrete comfort strations.
Owner—City of Fresno.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Plans may be had from the office of the architects.

## RESIDENCES

Plans Being Prepared.
RESIDENCE Cost, $8,000
SAN FRANCISCO. Crocker Amazon Tract.
One-story and basement frame residence (7 room).
Owner—Chas. Greer.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Prepared.
RESIDENCE. Cost, $8,000
PIEDMONT, Alameda Co., Cal.
Two-story frame residence (6 rooms).
Owner—Harold Haven.
Architect—John H. Thomas, 1st National Bank Bldg., Berkeley.

Plans Being Prepared. Ready for Figures in About Two Weeks.
RESIDENCE, ETC. Cost, $14,000
PIEDMONT, Alameda Co., Cal. Wildwood Gardens.
Two-story frame residence and garage (8 rooms and 2 bathrooms).
Owner—T. M. Earl, 2823 Benvenue, Berkeley.
Architect—John H. Thomas, 1st National Bank Bldg., Berkeley.

Plans Being Prepared.
BUNGALOW. Cost, $7,500
SAN FRANCISCO. Northwood Drive, Westwood Park.
One-story frame bungalow (7 rooms and sleeping porch).
Owner—H. J. Hansen & Co., 1327 20th Ave., San Francisco.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $15,000
SAN MATEO COUNTY, CAL.
Two-story frame and plaster residence (10 rooms and 2 bathrooms).
Owner—Withheld.
Architect—E. J. Osborn, 821 Balboa Bldg., San Francisco.

Contract Awarded.
DWELLINGS Cost, $3,000 each.
VALLEJO, Solano Co., Cal. Hillside Park.
Ten one-story and basement frame dwellings.
Owner—Wilson & Wehe, Vallejo, Cal.
Designer & Contractor—W. O. Crosby, 423 Sacramento St., Vallejo, Cal.

Plans Being Prepared. To be Done by Day Work.
BUNGALOWS Cost, $6,000 each
SAN FRANCISCO. One on Faxon Avenue and two on Northwood Drive, Westwood Park.
Three one-story 5-room frame bungalows.
Owner—Bauer & Quinn, 2506 23rd Ave., San Francisco.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $10,000
SAN FRANCISCO. St. Francis Wood.
Two-story and basement frame and plaster residence (6 rooms and basement garage.)
Owner—Karl Ingram, Care Associated Press, Merchant Nat'l. Bank Bldg., San Francisco.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
RESIDENCE. Cost, $9,000
OAKLAND. Rockridge.
Two-story frame residence.
Owner—M. S. Kimbul, Oakland Bank of Savings Bldg., Oakland.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 3516 Richmond Ave., Oakland.

Plans Being Prepared.
BUNGALOW Cost, ——
BURLINGAME, San Mateo Co., Cal.
Two-story frame bungalow (8 rooms).
Owner—Not given.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Completing Plans. Concrete Foundations to be Figured Next Week.
RESIDENCE & GARAGE Cost, $70,000
SAN FRANCISCO. Western Addition.
Two-story and basement reinforced concrete residence and garage (15 rooms and 4 bathrooms).
Owner—Withheld.
Architects—Louis M. Upton and Milton Latham, 454 Montgomery St., San Francisco.

Plans Being Figured.
BUNGALOW Cost, $7,000
CORTE MADERA, Marin Co., Cal. Baltimore Park near Corte Madera.
One-story frame and plaster bungalow (6 rooms).
Owner—Henry Meyer.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans Ready for Figures.
RESIDENCE Cost, $66,000
PALO ALTO, Santa Clara Co., Cal.
Two-story frame and hollow tile residence and garage.
Owner—J. Henry Meyer, 440 Montgomery St., San Francisco.
Architects—Bakewell & Brown 251 Kearny St., San Francisco.

Sub-Figures Being Taken.
BUNGALOW Cost, $——
HILLSBOROUGH, San Mateo Co., Cal. Brewer Tract on Lot 100x200.
One-story and basement frame bungalow (6 rooms).
Owner—Mrs. L. M. Abbott, New York.
Architect—Miss Grace Jewett, 57 Post St., San Francisco.

## SCHOOLS

Plans Being Prepared.
SCHOOL Cost, $80,000
LA HABRA, Orange Co., Cal.
One-story hollow tile school.
Owner—La Habra School District.
Architect—Jeffery & Schaefer, 1106 Kerckhoff Bldg., Los Angeles.

Plans Being Figured. Bids Close Mar. 15th, 2 P. M.
SCHOOL Cost, $——
CASTELLA, Shasta Co., Cal.
Frame school building.
Owner—Castle Rock School District, Mrs. J. A. Mattos, Clerk, Castella.
Architect—Not Given.
Plans may be seen at the office of the County Superintendent of Schools, Redding, Cal.

Plans Being Completed.
SCHOOL Cost, $123,000
WILLOWS, Glenn Co., Cal.
One and two-story reinforced concrete grammar school.
Owner—Willows Grammar School District, Mrs. W. H. Walker, Clerk.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Prepared. Figures to be Called For in Two Weeks.
SCHOOL Cost, $60,000
SUSANVILLE, Lassen Co., Cal.
One-atory and basement stone and frame high school building (local stone), 4 rooms and 55x70 ft. gymnasium.
Owner—Lassen Union High School District.
Architect—John Galen Howard, 1st National Bank Bldg., San Francisco.

Commissioned to Prepare Plans.
SCHOOL Cost, $200,000
GRIDLEY, Butte Co., Cal.
Brick or concrete high school.
Owner—Gridley Union High School District.
Architects—Woollett & Lamb, Physicians Bldg., Sacramento.

Contract Awarded.
SCHOOL Cost, $16,092
WALNUT CREEK, Contra Costa Co., Cal. Pleasant Hill School District bet. Walnut Creek and Martinez.
One-story frame and plaster school (2 rooms and an auditorium.)
Owner—Pleasant Hill School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Contractor—Randolph Hook, Pacheco Road, Walnut Creek.

Bids to be Called For This Month.
SCHOOL Cost, $80,000
SAN FRANCISC.O Harrison Street Bet. 10th and 11th Streets.
Two-story brick and concrete (10 room) school.
Owner—City and County of San Francisco.
Architect—John Reid Jr., 1st Nat'l. Bk. Bldg., San Francisco.
Note—Bids will be called for about March 24th.

FRESNO, Fresno Co., Cal.—Bids will be received by J. R. Fontaine, Secretary of the Board of Education, up to March 11th, 5 P. M., for furnishing and installing finish hardware in the following school buildings:

John Muir, Arlington Heights, Webster, Longfellow, Kirk, Washington and Jackson schools. The work is provided for under Specification "L."

Specifications and further information may be had from Trewhitt-Shields, 435 Rowell Bldg., Fresno.

DURHAM, Butte Co., Cal.—The Vermere Co., Ochsner Bldg., Sacramento, submitted the lowest bid and was awarded the contract at $3,500 by the Durham School District Trustees for the installation and completion of a steam heatiug plant in the Durham Grammar School, from plans prepared by Architect W. H. Weeks, 75 Post St., San Francisco.

COALINGA, Fresno Co., Cal.—Bids will be received up to 1 P. M., March 13th, by Henry Richmond, Clerk of the Coalinga Union High and Intermediate School District, Coalinga, for furnishing and installing a refrigerating machine, for plumbing and insulation of pipes connected and for building a concrete pump pit.

Plans may be had from C. L. Geer, Coalinga Union High School.

MADERA, Madera Co., Cal.—The Madera Grammar School Board estimates that construction of the proposed new grammar school building will cost $130,000 Attorneys, handling the legal matters for the proposed bond issue, report that the district cannot be bonded for more than $70,000.

Sketches prepared by several architects are being considered by the Board, but these will not be acted upon until the bonding matter has been straightened out.

MODESTO, Stanislaus Co., Cal.—From plans prepared by Architect John J. Donovan, 414 13th St., Oakland, bids will be received by Kathleen G. Prewhett, Secretary of the Modesto Board of Education, up to March 23rd, 7:30 P. M., for general work, the heating and ventilating, plumbing and electrical work for additions and alterations to the present Departmental School Building located in the block bounded by Twelfth, L, Thirteenth and M streets.

Separate bids will be received on the same date for the installation of a lawn sprinkling system at the Modesto High School.

Plans may be seen at the office of the Architect.

Commissioned to Prepare Plans. Bonds to be Voted March 26th.
SCHOOL Cost, $47,000
MADERA, Madera Co., Cal.
East Side grammar school building. (brick or hollow tile construction).
Owner—Madera Grammar School District.
Architects—Thos. B. Wiseman and Walter H. Parker, Associated, Bakersfield, Cal.
The election will provide $71,500 which will provide for the purchase of the site and construction of the building.

Commissioned to Prepare Plans. Bonds Already Voted.
SCHOOLS Cost, $115,000
HANFORD, Kings Co., Cal.
Two one-story brick grammar schools. (8 rooms each.)
Owner—Hanford Grammar School District.
Architect—J. R. Henderson, Tulare.

MARTINEZ, Contra Costa Co., Cal.—Bids were received on March 5th by the Alhambra Union High School District in Martinez for the construction of a two-story brick or reinforced concrete high school building to contain 16 rooms and an assembly hall.

Plans were prepared by Architect A. A. Cantin, 68 Post St., San Francisco.

All bids ran over the amount available and were rejected. Plans will be revised and new figures called.

Bids were taken on the following four propositions. (1) reinforced brick; (2) reinforced concrete; (3) reinforced brick, omitting campanile; (4) reinforced concrete, omitting campanile:

Harvey A. Klyce, San Francisco. (1) $153,627; (2) $145,785; (3) $135,215; (4) $129,383.

Robert Trost, San Francisco (1) $—; (2) $157,704; (3) $—; (4) $142,128.

T. B. Goodwin, San Francissco (1) $159,598; (2) $—; (3) $142,986; (4) $—.

E. E. Etherton, San Francisco (1) $163,484; (2) $152,610; (3) $145,380; (4) $136,676.

Jas. L. McLaughlin, San Francisco (1) $158,650; (2) $153,650; (3) $138,650; (4) $133,650.

McLeran & Peterson, San Francisco (1) $157,000; (2) $157,000; (3) $—; (4) $133,500.

**Heating and Ventilating.**

| | |
|---|---|
| Bay Engineering Co. | $12,610 |
| Ideal Heating & Eng. Co. | 9,397 |
| Scott Co. | 9,595 |
| Frank C. Kilson | 13,860 |
| Nelson Co. | 9,888 |

Commissioned to Prepare Plans.
SCHOOL. Cost, $34,000
CALWA, Fresno Co., Cal.
Fireproof school.
Owner—Calwa School District.
Architect—Ernest Kump, Rowell Bldg., Fresno.
Bonds have been voted.

GLENDALE, Los Angeles Co., Cal.—Edwards, Wildey & Dixon Co., 515 Black Bldg., Los Angeles, submitted the lowest bid at $78,634 and have been awarded the contract for all work complete for the erection of a new grade school building on the Broadway school site at Glendale. All bids for additions to the intermediate school were rejected. Jeffery & Schaefer, 1106 Kerckhoff Bldg., Los Angeles, are the architects.

## STORES AND OFFICES

Contract Awarded.
ALTERATIONS. Cost, $10,000 approximately.
SAN FRANCISCO. No. 263 Bush Street.
Alterations to four-story brick store and office building (change location of elevator, etc.)
Owner—Sarah Rosenstock and Hilda R. Nutall.
Architect—Heller & Wilson, 57 Post St., San Francisco.
Contractor—J. Salanave, 931 Pacific St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $15,000
OAKLAND, Alameda Co., Cal. 14th and Clay Streets.
Alterations to mezzanine floor (ladies rest room).
Owner—H. C. Capwell, Premises.
Architect—L. W. Cannon, Central Bank Bldg., Oakland.
Contractor—E. T. Leiter & Son, Call Bldg., San Francisco and 3601 West St., Oakland.
NOTE:—Work started.

Preliminary Plans Being Prepared.
OFFICE BLDG. Cost, $——
FRESNO, Fresno Co., Cal. "J" Street.
Five-story fireproof office building.
Owners—Wm. and Ivan McIndoo, Fresno, Cal.
Architect—Name withheld until estimates of construction are completd.

Plans to be Prepared. Site Purchased.
STORE AND OFFICE BLDG. Cost, $150,000.
LODI, San Joaquin Co., Cal. NW School and Pine Streets.
Fireproof store and office building, 170 x80.
Owner—V. R. Larson, Lodi, Cal.
Architect—Not Yet Selected.

Contract Awarded. Permit Applied For.
AUTO SALES ROOMS Cost, $78,000
FRESNO, Fresno Co., Cal. Tuolumne and Van Ness Streets.
Two-story and basement frame reinforced concrete auto sales rooms and garage, 75x150.
Owner—L. S. Cobb, 437 Forthcamp St., Fresno.
Architect & Contractor—R. F. Felchlin & Co., Rowell Bldg., Fresno, Cal.

Contract Awarded.
OFFICE BLDG., ETC. Cost, $——
EMERYVILLE, Alameda Co., Cal.
Three-story reinforced concrete warehouse, 200x60, and two-story brick office building.
Owner—Sherwin & Williams, 454 2nd St., San Francisco.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.
Architect—Eng. Dept. of Owners.

Sub-Figures to be Taken Next Week.
OFFICE BLDG. Cost, $1,000,000 Approximately.
SAN FRANCISCO. Pine and Montgomery Sts. (Old Nevada Block Property).
Fifteen-story Class "A" office building.
Owner—Commercial Union Assurance and The California Fire Insurance Company.
Architects—Geo. W. Kelham and Kenneth MacDonald Jr., Associate, Sharon Bldg., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.
The Pacific Rolling Mills Co., 17th and Mississippi streets, has the steel contract for approximately $275,000.

Plans Being Prepared.
ALTERATIONS. Cost, $——
SAN FRANCISCO. SE California and Front Sts.
Alterations to 1st floor of five-story Class "A" building.
Owners—Walter H. Sullivan and J. Eisenbach.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
The owners are also planning to erect three additional stories to the structure.

Plans Being Prepared.
STORE BLDG. Cost, $15,000
SAN FRANCISCO. Geary Street bet. Powell and Mason.
One-story and basement Class "C" store building.
Owner—Wm. Fitzhugh, Mills Bldg., San Francisco.
Architects—Bakewll & Brown, 251 Kearny St., San Francisco.

Plans Being Prepared.
STORE BLDG. Cost, $——
SAN FFRANCISCO. N Post bet. Powell and Stockton.
One-story and basement reinforced concrete store building.
Owner—Wm. Fitzhugh, Mills Bldg., San Francisco.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

Plans Being Figured. Bids Close Mar. 10, 1920. ?
CLASS "C" STORE BLDG. Cost, $25,000
SAN FRANCISCO. Geary Street near Jones.
One-story Class "C" store building (1 store).
Owner—Withheld.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

Plans Being Prepared.
AUTO ELECTRIC EQUIPMENT SALES BLDG. Cost, $70,000
SAN FRANCISCO. SW Sutter and Larkin Streets.
Two-story and basement reinforced concrete auto electric equipment sales building, 70x120.
Owner—Wm. F. Dunn.
Architect—S. Heiman, 57 Post St., San Francisco.

Completing Plans Ready for Figures in Two or Three Weeks.
ADDITION Cost, $——
SAN FRANCISCO. NE California and Leidesdorff Streets.
Six-story Class "A" addition to one-story office building.
Owner—Liverpool & London & Globe Insurance Co., Ltd.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.

Contract Awarded.
BANK & OFFICE BLDG. Cost, $150,000
SAN PEDRO, Los Angeles Co., Cal. SW Sixth and Palos Verdes Aves.
Five-story Class "B" bank and office building, 50x100.
Owner—First National Bank of San Pedro.
Architects—Edelman & Barnett, H. W. Hellman Bldg., Los Angeles.
Contractor—The Foss Designing & Bldg. Co., 45 N-Euclid Ave., Pasadena.

## THEATRES

Plans Prepared. Work to be Started March 19th.
THEATRE Cost, $15,000
COLUSA, Colusa Co., Cal. Seventh St., bet. "E" and "F" Streets.
Two-story fireproof theatre (seating capacity 1200.)
Owner—Edward Miller, Colusa, Cal.
Architect—Not Given.

Preliminary Plans Being Prepared.
THEATRES Cost, $——
SAN FRANCISCO, OAKLAND AND LOS ANGELES.
Three Class "A" theatres.
Owner—Orpheum Theatre Co.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.

Contracts Awarded.
OFFICE and THEATRE BLDG. Cost, $1,500,000 or more.
SAN FRANCISCO. Market and Taylor Streets.
Eight-story Class "A" office, store and theatre building, 187x152x27. (Loew's Metropolitan Theatre.)
Owner—Loew-Ackerman & Harris.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractors—MacDonald & Kahn, Rialto Bldg., San Francisco.
Steel awarded to Dyer Bros., 17th and Kansas Streets.

# ENGINEERING

## BRIDGES, DAMS & HARBOR WORK

SAN FRANCISCO.—Bids will be received by the Engineer Office, U. S. Army, 240 Montgomery street, up to April 1st, 10 A. M., for the hire and operation of a dredging plant for work in the Sacramento and San Joaquin rivers, and tributaries.

Specifications and further information may be had from the Engineer Office.

WESTWOOD—The Red River Lumber Company has thirty men at Clear Creek breaking ground for the dam that will be constructed for hydro-electric power development, the electricity to be used in the lumber mille here. The dam site is between what is known as the Walker cabin on Feather River and the forks of this stream and Clear Creek. The dam will be twenty feet high.

SACRAMENTO, Cal.—Jenkins & Wells, 36th and "Y" Sts., Sacramento, at $24,442 submitted the only bid to the County Supervisors for the construction of a concrete bridge on Edson avenue east of Ben Ali. The bid was referred to the Contract Committee for report.

STOCKTON, San Joaquin Co., Cal.—R. C Tumelty, 1915 N-El Dorado St., Stockton, has been awarded a contract by the County Supervisors for re-flooring the Mowry Ferry Bridge at $1,225. Other bidders were:

| | |
|---|---|
| M. B. White | $1,444 |
| Sleeth & Nelson | $1,635 |
| T. E. Brown | $1,318 |
| A. S. Dixon | 1,839 |

Eugene D. Graham is County Clerk and F. E. Quail, County Engineer.

VISALIA, Tulare Co., Cal.—Until 10 A. M., March 17, bids will be received by the Supervisors of Tulare County for constructing a reinforced concrete

bridge across Kings river, 2½ miles east of Kingsburg on Dinuba-Kingsburg highway. Engineer's estimate, $57,927.27. Lawrence Moye, County Supervisor. It was previously reported bids for this work would be opened on March 2.

PHOENIX, Arizona.—The following bids were received by the Arizona Highway Department, J. E. Sellers, Highway Engineer, for the construction of the San Carlos Bridge across the Gila River:

**Midland Bridge Co.**, S. P. & S. $35,600, all steel, $37,173. Limit, Aug. 1st.

**Allied Contractors**, S. P. & S., $37,846, all steel pin connected, $37,846; all steel, riveted, $39,946; all steel riveted (4-138' spans), $53,862. Limit, November 15th.

**Whalley Lumber Co.**, S. P. & S., $44,444. Limit, July 28th

**El Paso Bridge Co.**, S. P. & S., $45,600, all steel, $44,214. Limit, October 7th.

**Paul Michelson**, S. P. & S., $52,239. Limit, August 17th.

NOTE:—S. P. & S.—According to "State Plans and Specifications."

REDWOOD CITY, San Mateo Co., Cal.—J. H. Wilson, San Mateo, has been awarded a contract by the City Trustees, W. A. Price, City Clerk, for the construction of three reinforced concrete bridges, one across a branch of Redwood Creek on Lathrop street between Elm and Maple streets; across a branch of Redwood Creek in Oak avenue between Davis and Woodrow streets, and across a branch of Redwood Creek in Ebner street between Redwood and Oak avenues, he being low bidder at $9,021.30. Other bidders were:

| | |
|---|---|
| C. J. Lindgren, Burlingame | $11,609.85 |
| A. Mattson, San Bruno | 11,377.25 |
| C. B. Cowden, San Francisco | 10,908.75 |
| Bos & O'Brien, San Francisco | 12,878.00 |

## IRRIGATION PROJECTS

MODESTO, Stanislaus Co., Cal. — Percy F. Jones, Chief Engineer of the Modesto Irrigation has been instructed to communicate with A. J. Wiley, expert on reservoir construction, regarding his employment as consulting engineer for the new Don Pedro Dam to be erected by the Turlock and Modesto Irrigation Districts. Wiley is at present in Boise, Idaho.

R. V. Neikle is Engineer for the Turlock District.

GILA, Ariz.—The Foundation Co. of New York, has been awarded the contract to complete the Gillespie dam in the Gila river above Gila Bend for the Gila Water Company. The estimated cost of the work is $800,000. The dam will be a reinforced concrete multiple arch structure.

## LIGHTING SYSTEMS

BURLINGAME, San Mateo Co., Cal.—No bids being received by the City Trustees for the installation of electroliers in Main street, the Board ordered that another advertisement calling for bids be issued.

J. R. Murphy is City Clerk.

## SEWERS, STREET WORK & WATER SYSTEMS

TURLOCK, Stanislaus Co., Cal.—A. M. Jensen of Fresno, Turlock's Consulting Engineer, will shortly submit a report to the City Trustees regarding sewage disposal. Engineer Jensen recently inspected the disposal plant now in use at the Folsom Prison and will base his report on that inspection.

SOUTH PASADENA, Los Angeles Co. Cal.—H. E. Cox, 305 Slavin Bldg., Pasadena, submitted the lowest bid and was awarded the contract at $41,200 for paving Orange Grove avenue between Mission street and north city boundary, involving 165,000 sq. ft. grading at 2½c ft.; 165,000 sq. ft. 5-in. concrete paving at 19½c ft., and 6,031 lin. ft. cement curb at 50c ft. Fleming Construction Co. of Pomona, submitted a bid at $42,600 and Pearson & Summers a bid at $43,000. C. L. Hill, City Engineer.

LOS GATOS, Santa Clara Co., Cal.—The Board of Trustees have passed a resolution of intention providing for the construction of a sewer in North Santa Cruz, North Tait, North Wilde and Ashler avenues and a call for bids will be issued in the near future.

Miss M. Donna M. Winning is Town Clerk.

SAN FERNANDO, Los Angeles Co., Cal.—Until 7:30 P. M., March 15, bids will be received by the City Clerk for constructing a 3,000,000 gallon concrete lined reservoir for the city water system. The reservoir will be 200 feet square at the top, partly excavated and partly embankment, and will be lined with concrete reinforced with wire mesh. There will also be a timber roof. Plans and specifications may be had at the office of the City Clerk or the office of A. L. Sonderegger, Consulting Engineer, 800 Central Bldg., Los Angeles.

Bids will be called shortly for a distributing system, pumps and other equipment for the municipal water system.

TURLOCK, Stanislaus Co., Cal.—The City Trustees, A. P. Ferguson, City Clerk, have passed a resolution of intention (No. 84) providing for the improvement of Line street from the southeast line of West Main street to the southwest line of South Broadway by grading and paving with a 4-inch cement concrete base and a 1½ inch Warrenite-Bitulithic wearing surface, and the construction of cement concrete gutters.

CLOVIS, Fresno Co., Cal.—All bids received February 17th by L. E. Weldon, City Clerk of Clovis, for furnishing and installing a two stage centrifugal pump, etc., for the water system have been rejected as being too high.

Plans were prepared by Engineers Jensen & Ross, Patterson Block, Fresno, Calif.

MODESTO, Stanislaus Co., Cal.—The City Council has awarded a contract to the Standard Paving Co, 9th and "N" streets, Modesto, for the improvement of Fifth street, between "H" and "L"; Fourteenth street, between "D" and "H," and Elmwood avenue. The bid was 18½c per sq. ft. for paving. No other bids were submitted.

The Davis-Heller-Pierce Co. was awarded the contract for constructing 190 feet of 5-foot sidewalk in the southwest portion of the city at 21½c per sq. ft.

SACRAMENTO, Cal. — The State Highway Commission, Forum Bldg., will shortly call for bids for the following stretches:

From Glenwood School to Los Gatos, 13.6 miles, in Santa Cruz and Santa Clara Counties.

From Dyerville to Lolita, about thirty miles, in Humboldt County.

From Redding to Cottonwood, 15.9 miles, in Shasta County.

From Oil King School to Huron, 12 miles, in Fresno County.

From Las Cruces to Zaca, about fifteen miles, in Santa Barbara County.

RIVERSIDE, Riverside Co., Cal.—Until March 15 new bids will be received by the City Clerk for paving Magnolia Ave. Council adopted a resolution instructing the City Engineer to make estimates and the Superintendent of Streets to submit a bid on the work. A bid previously submitted by the city and accepted was found to be invalid because Council had not formally instructed the City Engineer and Superintendent of Streets to submit it.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors, J. H. Wells, County Clerk, have approved plans and bids will be called shortly for the macadamizing of the Main street of Bay Point on each side of the concrete pavement constructed there last fall. The Board also accepted plans and specifications for the Richmond-Giant highway which will be 2.75 miles in length.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors, J. H. Wells, Clerk, have accepted plans of R. R. Arnold, County Engineer, for the pro-

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PACIFIC PIPE CO.,
231 Howard St. San Francisco

posed subway which is to be constructed under the tracks of the Southern Pacific and Santa Fe railroads at Pittsburg. The subway will be 28 feet wide and 200 feet long and will cost approximately $50,000. It is a unit of the new county highway system.

OAKLAND, Cal.—Bids have been ordered received by the Alameda County Supervisors, Geo. E. Gross, Clerk, for paving the Mt. Eden road from San Lorenzo junction at East Fourteenth street through the town of Mt. Eden to connect with the Alvarado and Centerville road at the Washington township line. The estimated cost is $205,000.

Plans may be had from the office of the County Clerk.

RICHMOND, Contra Costa Co., Cal.—No protests being recived, the Council at the last meeting ordered the improvement of Alvarado, Arizona and Nevada avenues.

A. C. Faris is City Clerk.

STOCKTON, San Joaquin Co., Cal.—A petition urging the immediate improvement of Fair Oaks avenue from East street to the east line of the city limits will be presented the City Council at its next session.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees, Charles E. Daley, City Clerk, have passed a resolution of intention (No. 128-B) providing for the improvement of portions of Court, Pine, Willow, Jones, Have, Warren, and Arreba streets and certain intersections by grading, curbing, paving, sewering, draining, etc., and the construction of culverts and sidewalks.

MARTINEZ, Contra Costa Co., Cal.—The following bids were received and contracts awarded on March 1st by the Contra Costa County Supervisors for highway improvement as follows:

For constructing a road with a concrete base, on Divisions No. 10 and 22 of the Contra Costa Highway of Contra Costa County, which said road lies between the southrely incorporate line of the town of Martinez at Smith street, and runs via Franklin Canyon to the incorporate line of the town of Hercules, a distance of 8.48 miles.

O'Brien Bros., Martinez.$178,892.50
F. Rolandi, San Francisco 208,980.00
**Contract awarded** to O'Brien Bros.

For the construction of Sec. No. 1, of Division No. 21, which section is part of the Martinez Bay Point road and begins at station 110+25 of survey of said road at Avon and runs easterly to the end of Main street in the town of Bay Point, a distance of 3.25 miles.

Geo. Cushing, Richmond.....$65,557.95
O'Brien Bros., Martinez..... 66,074.34
Galbraith & Janes, Richmond 72,682.44
Bates & Borland, Oakland... 80,255.22
**Contract awarded** to Geo. W. Cushing, 420 Macdonald Ave., Richmond.

Sec. No. 1, Div. No. 19, of County Highway system, which division lies between Bryant Station on San Pablo Creek, and runs down San Pablo Valley to a point near the dam being built by the East Bay Water Company, a distance of 7.30 miles.

Bates & Borland, Oakland...$103,784.40
Ransome-Randall Co., Okd.. 103,816.14
W. J. Schmidt, Berkeley,... 113,244.40
F. Rolandi, San Francisco... 111,896.12
**Contract awarded** to Bates & Borland, Oakland Bank of Savings Bldg., Oakland.

R. R. Arnold is County Highway Engineer.

SACRAMENTO, Cal.—J. W. Terrell, Sacramento, has been awarded a contract by the City Commission, M. J. Desmond, City Clerk, for the improvement of the easement opposite 41st street, from the south line of Folsom Boulevard to the north line of the Southern Pacific Company's right-of-way by the construction of a vitrified ironstone pipe sewer, 3 concrete manholes with cast iron curbs and covers.

Improvement of Forty-first street from the south line of the Southern Pacific Company's right-of-way to a point 20 feet south of constructing a vitrified stone pipe sewer and 1 concrete manhole with cast iron curb and cover.

Improvement of "R" street from the center line of Forty-second street to the center line of the alley first west of Fortieth street by construction of a vitrified ironstone pipe sewer with 3 concrete manholes with cast iron curbs and covers.

And the improvement of the alley first east of Thirty-ninth street by constructing 1 concrete manhole with cast iron curb and cover.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have passed a resolution of intention providing for the construction of a vitrified ironstone pipe sewer and 7 concrete manholes in Thirty-third avenue from a point 290 feet south of the center line of Ninth avenue, to a point 2 feet south of the center line of the alley first south of Twelfth avenue, and improving Tenth avenue from Thirty-third avenue to a point 135 feet easterly of the east line of Thirty-fifth street by constructing a vitrified ironstone sewer pipe, 3 concrete manholes and cast iron curbs and covers, and the improvement of Twelfth avenue from a point 2 feet east of the center line of the alley first west of Thirty-second street, to a point 148 feet east of the east line of Thirty-fifth street, by the construction of a vitrified ironstone pipe sewer, 4 concrete manholes with cast iron curbs and covers.

MARTINEZ, Contra Costa Co., Cal.—Up to March 15th, 8 P. M., bids will be received by Charles E. Daley, City Clerk, for the improvement of portions of Ferry, Mill, Mason, Estudillo, Castro, Smith, Howard, Main, Ward, Green, Thompson, Mellus, Henrietta, Susana, Jones, and intersections, (all under Resolution of Intention No. 119-A) by grading, constructing curbs and gutters, sewers, manholes, sidewalks, etc., and paving with asphaltic concrete with a Warrenite-Bitulithic wearing surface.

Separate bids will be received on the same date for the improvement of portions of Escobar street (under Resolution of Intention No. 123-B) by grading, construction of curbs and paving with a 5-inch hydraulic concrete base, 15 feet wide, with an asphaltic concrete (Topeka) wearing surface 1½ inches thick with a paint binder course.

Bids will also be received on March 15th for the improvement of portions of Escobar street (under Resolutions of Intention Nos. 124-B and 124-C) described under Resolution 123-B.

LODI, San Joaquin Co., Cal.—Petitions for street improvements have been received by H. S. Clark, City Clerk, as follows:

Two blocks on Elm street, west of Hutchins street.

Two blocks on Lockeford street, between Church and Sacramento St.

All of East Elm street from Main street to Cherokee lane.

Pleasant avenue from Lockeford street to Lodi avenue.

Hilborn street from Eaton avenue to Cherokee lane.

Petitions for the paving of Main street from Lodi avenue to Lockeford street and Central avenue from Pine street south to the city limits (or at least to Lodi avenue) are now being circulated.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Inyo avenue from East 26th street northeasterly by the construction of a six-inch vitrified pipe sewer with vitrified pipe manholes and Y branches.

SANTA CRUZ, Santa Cruz Co., Cal.—Bids will be received by H. H. Miller, County Clerk, up to March 16th, 2 P. M., for the construction of about 7.09 miles of road between Watsonville and Santa Cruz in said County, in accordance with the plans and specifications prepared by Lloyd Bowman, County Surveyor and acting highway engineer.

Plans may be secured from the County Engineer's Office at Santa Cruz. Cross section sheets may be purchased from Bashford Smith, 525 Market St., San Francisco.

Certified check of 10% payable to Clerk of the Board of Supervisors must accompany each bid.

RICHMOND, Contra Costa Co., Cal.—L. L. Page, 728 Bissell Ave., Richmond, at $6,602.09 was awarded the contract for the improvement of Eleventh street and Lucas avenue, at the last meeting of the City Council. Other bidders were:

J. E. Stannage, $8,369.47; Ransome Randall, $9,590.86; S. C. Rogers, $7,320.05, and Galbraith & Janes, $7,796.26.

STOCKTON, San Joaquin Co., Cal.—Will Moreing, Commercial & Savings Bank Bldg., Stockton, on his bid of $86,268.20 was awarded the contract by the County Supervisors for paving with oil macadam 8.4 miles of road between Ripon and Manteca. The estimate of County Engineer F. E. Quail was $87,000. The only other bidder was Benson & Sons of Los Angeles at $89,935.71.

FRESNO, Fresno Co., Cal.—Until 2 p. m., March 15, instead of March 12 as previously advertised, bids will be received by the Supervisors of Fresno County for paving county highway route 22, Sec. A, and route 23, Sec. A, in accordance with plans and specifications which may be obtained from County Engineer Chris Jensen, Cory

Bldg. Bids will be taken under four specifications for concrete base with Jensenite or Warrenite top and bituminous base pith Topeka or Warrenite top. The project involves 10,446 cubic yards excavation, 9,818 cubic yards cement concrete paving, 636,160 square feet surfacing, or 636,160 square feet asphalt concrete paving and 80 feet of railing. D. M. Barnwell, Clerk.

WOODLAND, Yolo Co., Cal.—Four bids were received by the Yolo County Supervisors for the first unit of the County Highway system, from Coil's Corner to Knights Landing with a net length of layout of 10.77 miles, and designated as Prefix 3 of Yolo County Highways, and ranged from $25,000 to $30,000 per mile while the estimate of County Engineer Asa G. Proctor was $16,000 per mile. Bids were received from Alexander McPherson of Woodland, Clark & Henery Constr. Co., Federal Constr. Co., and Hugh Crummey. The specifications called for three type of road bed:

Concrete, concrete with Topeka or Warrenite top; and black base with Topeka or Warrenite top.

The County Board contemplates the rejection of the bids and doing the work by day labor.

SALINAS, Monterey Co., Cal.—Bids have been ordered received by the County Supervisors, to be opened April 5th, for the improvement of a portion of the San Lucas and Jolan road, lying between the town of San Lucas and the river crossing.

T. P. Joy is County Clerk and Howard F. Cozzens, County Engineer.

WOODLAND, Yolo Co., Cal.—Bids will be received by the City Trustees up to 7 P. M., March 15th for the improvement of First street from Marshall avenue to Hays street; Marshall avenue from College to First street, and Hays street from College street to First, including all intersections, by constructing concrete curbs and gutters, grading and laying a bituminous 3-inch base of asphaltic cement, stone and sand and a Warrenite wearing surface 2 inches thick covered with a Warrenite flush coat composition, construction of basalt block headers and hydraulic concrete base across First street along the south line of Marshall avenue and one corrugated iron culvert across Hays street along the west line of Third street.

J. H. Laugenour is City Clerk.

SALINAS, Monterey Co., Cal.—The County Supervisors have accepted the bid of C. H. Ellison for repairing the stretch of road between Moss Landing and Pajaro at $12,261. The work will include excavating, filling and surfacing, construction of concrete curbing and the installation of galvanized iron culverts.

TRACY, San Joaquin Co., Cal.—The City Trustees have instructed City Engineer Larkin to prepare plans and specifications for the improvement of the Lincoln Highway through the city. Plans will provide a two-inch surface of bitumen on a four-inch rock base. The street will be from 36 feet to 40 feet wide and extend from the eastern to the western limits of the city.

In calling bids for the work the installation of sewer and water connections will be provided for.

The Board is considering the petition of property owners in the Rosedale section asking the installation of a sewer extension from Highland avenue to Twelfth in Wall street.

Geo. L. Frerichs is City Clerk.

EL CERRITO, Contra Costa Co., Cal.—Plans prepared by W. S. Farley, City Engineer, for a storm sewer system are being considered by the City Trustees. It is probable that funds for construction will be secured through a bond election. The system is estimated to cost $80,000.

SANTA ROSA, Sonoma Co., Cal.—In addition to other units of the County Highway System, bids will be received on March 12th, 1:30 P. M., by the County Supervisors, W. W. Felt Jr., County Clerk, for the construction of Healdsburg-Forestville Highway, Section "B" in Fourth Supervisorial District, in Sonoma County (Specification No. 14).

Estimate quantities are: Length of Highway, 1,160.96 ft. or 0.22 mile.

Excavation, unclassified, approximately 12,348 cu. yds.

The estimate cost: Excavation, unclassified, $6,174.

Lloyd Aldrich is County Highway Engineer.

MODESTO, Stanislaus Co., Cal.—The County Supervisors, H. Benson, County Clerk, have rejected the bid of Edward M. Chadbourne, 503 Market Street, San Francisco, for resurfacing ten miles of highway at 3.4 cents per sq. ft. The estimate of County Engineer J. H. Hoskins is 3 cents per sq. ft. The work included a five mile stretch between Modesto and Empire and a five mile stretch running west from Turlock. Asphalt surfacing was required.

The County Board is now considering the matter of doing the work by day labor.

SAN JOSE, Santa Clara Co., Cal.—The first step to connect San Jose with the proposed skyline boulevard was taken by the Santa Clara Supervisors when the County Engineer was instructed to prepare plans for the road from Saratoga to the summit.

Henry A. Pfister is County Clerk.

# Official Proposals.

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN that the Board of Trustees of the Modesto High School District of Stanislaus County, State of California, will at the offices of the said Board at the High School Building on H Street Modesto, California, **on the 23rd day of March, 1920, at 7:30 P. M., of that day,** receive and consider sealed bids for the material for and installation of a lawn sprinkling system for the lawn of the said High School, according to the plans and specifications submitted by the bidder.

All bids must be sealed and filed with the Clerk of said Board of Trustees prior to 7:30 P. M., on the 23rd day of March, 1920, and be accompanied by a certified check on some solvent bank of the State of California for ten percent of the amount of the bid submitted, which check shall be made payable to the president of the Board of Trustees, which check is required as guarantee that the successful bidder will within two days after the notice of the award of the contract to him enter into a satisfactory contract with the Board of Trustees the amount thereof to be retained as liquidated damages in event said contract is not entered into by such contractor.

The Board of Trustees reserves the right to accept and reject any and all bids.

Dated this 1st day of March, 1920.

KATHLEEN G. PREWETT.
Clerk of the Board of Trustees of the Modesto High School District. (tf)

March 5, 1920.

### STATE OF NEVADA

### DEPARTMENT OF HIGHWAYS.

### MATERIALS FOR STATE HIGHWAY CONSTRUCTION.

### NOTICE TO BIDDERS.

SEALED PROPOSALS will be received by undersigned **until 2:00 o'clock P. M., April 5, 1920,** for the furnishing of the following materials for State Highway construction:

70,000 barrels Portland Cement in cloth bags, f. o. b. cement mills.

Specifications may be obtained at office of undersigned.

Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.
(33672) E

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned to **2 o'clock P. M., March 22, 1920,** for the furnishing and fabrication of the metal for two 126 foot through Pratt truss highway spans containing 190,000 pounds of structural steel and castings.

Plans may be examined and forms of proposal secured at office of undersigned, may also be secured at the County Clerk's Office in Las Vegas, Nevada. Bids must be on the proposal form of the Highway Department accompanied by certified check in the amount of 5% of the bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### NOTICE TO CONTRACTORS.

THE BOARD OF TRUSTEES of the Fowler Union High School District, Fowler, Cal., will receive sealed proposals up until **2 o'clock P. M., March 12th, 1920,** at the High School building, Fowler, Cal., at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new high school buildings in accordance with plans and specifications prepared therefor by Allison & Allison, Architects, 1405 Hibernian Building, Los Angeles, Cal. Bids will be received separately for the different segregated contracts as follows:

CONTRACT No. 1—For the Excavating, Concrete, Masonry, Terra Cotta, Iron and Carpenter Work, etc. Bids Nos. 1 with alternate bids A, B, C and D. (See specifications.)

CONTRACT No. 2—For the Sheet Metal Work, etc. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 3—For the Tile Roofing, etc. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 4—For the Composition Roofing. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 5—For the Plastering. Bid No. 1 with alternate Bid C. (See specifications.)

CONTRACT No. 6—For the Blackboards. Bid No. 1. (See specifications.)

CONTRACT No. 7—For the Painting, etc. Bid No. 1 with alternate Bids C and E. (See specifications.)

CONTRACT No. 8—For the Electric Work, etc. Bid No. 1 with alternate Bid C. (See specifications).

CONTRACT No. 9—For the Plumbing, Gas Fitting, Sewering, etc. Bid No. 1 with alternate bid C. See specifications.)

CONTRACT No. 10—For the Program Clocks. Bid No. 1 with alternate bids C and F. (See specifications.)
CONTRACT No. 11—For the Hardware. Bid No. 1 with alternate bid C. (See specifications.)
CONTRACT No. 12—For the Heating and Ventilating. Bid No. 1 with alternate bid C. (See specifications.)

Cashier's or certified check or bidder's bond for an amount not less than five per cent (5%) of amount of bid shall accompany each proposal, drawn payable to the order of EDWIN GOWER, Clerk of the Board of Trustees, Fowler Union High School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said High School Trustees in accordance therewith, and shall furnish the surety bonds as required by the specifications, said check or bond to be forfeited to the said High School District should the bidder fail to execute contract and furnish bond as above mentioned.

All bids to be made out on forms furnished by the Architects.

Plans and specifications for all the above work may be seen at the office of MORROW & GARREN, Architects, Chronicle Building, San Francisco, Cal.

A deposit of $25.00 will be required from all contractors receiving plans, said deposit to be refunded when plans and specifications are returned in good condition.

The said High School Board reserves the right to reject any or all bids, and to waive any informality in any bid received.

By order of the Board of Trustees, Fowler Union High School District, Fowler, California.

By EDWIN GOWER, Clerk,
Board of Trustees, Fowler Union High School District, Fowler, Cal.
Dated, February 12, 1920.

### NOTICE TO DREDGING CONTRACTORS.

Board of State Harbor Commissioners, Union Depot and Ferry House, San Francisco, California, March 6, 1920.

SEALED PROPOSALS or bids will be received at this office at or prior to **11 A. M., on Thursday, March 18, 1920,** for furnishing labor and equipment and dredging Islais Street Channel 250 ft. wide and 36 ft. below City Datum (from the 36 ft. contour (referred to City Datum) in San Francisco Bay to the line of Kentucky Street in San Francisco.

The work herein contemplated shall be done in strict accordance with the specifications and plans prepared therefore by the Chief Engineer of the Board and adopted by the Board December 26, 1919, and on file in this office, to which special reference is hereby made.

Each bidder shall state a price per cubic yard place measurement for which he will furnish all labor, equipment and material and do the work herein specified for **Dredging Islais Street Channel.**

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within Six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the amount payable by the terms of the contract, with a corporation thereunto duly authorized by law and commonly known as a surety company, as surety (such surety company to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the office of the Secretary), and conditioned for the faithful performance by the contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done, or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefits of material men, mechanics and laborers as provided by that certain Act of the Legislature of the State of California approved May 1, 1911 (Stats. 1911, p 1422). Said bond must be acceptable to and approved by said Board, both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the office of the Secretary, Room No. 17, Union Depot and Ferry House, at or prior to 11 o'clock A. M., on Thursday, March 18, 1920, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing $10.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid:

"Bid For Dredging Islais Street Channel."

J. H. McCALLUM,
H. H. COSGRIFF,
MILES STANDISH,
Board of State Harbor Commissioners.
FRANK G. WHITE,
Chief Engineer.
HILDA GOHRMAN,
Secretary.

### LATIN AMERICAN TRADE NOTES.

[File numbers cited refer to reserved information or trade lists, which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or co-operative offices.]

**Reclamation Work Undertaken in Brazil.**

A decree authorizing the expenditures for the reclamation and irrigation service in northwest Brazil was signed on December 25, 1919. The names of division engineers in charge of the construction of various dams, highways, and other works in connection with this project may be obtained upon reference to file No. L. A. 43.

**Electrical Equipment Needed in Tampico, Mexico.**

Tampico has never possessed enough electrical goods to supply the demand, reports Consul Dawson. This district embraces the world's most prolific oil belt, constantly under development and subject to daily improvements in all that accompanies such enterprises. The housing problem has been one of the city's foremost concerns during the past year and naturally the question of fittings has received attention. Electrical installation, wiring fixtures, electric pumps for supplying water, etc., have been factors occasioning delay in the fulfillment of building contracts. Doubtless the placing of an agency in the hands of a contracting engineer would result in the securing of much business, particularly since the oil drilling appears to be forever finding new locations, thereby necessitating new housing construction and equipment. (Refer to file No. L. A. 44 for names of men interested in building operations in Tampico.)

SOFT WATER
Permutit
Water-Softening
FILTERS
Make the
Hardest Waters
Absolutely Soft for
the Modern Home.
A few Permutit Users in the San Francisco Bay District:
Piedmont.
Gen. Oscar F. Long, Hazel Lane.
W. M. Alexander, Union and King.
W. C. Dallas, 92 Sea View.
Berkeley.
C. A. Smith, Claremont Court.
A. Mereen, Claremont Court.
Redwood City.
E. R. Diamond, Portola Road.
Burlingame.
E. A. Christenson, Hillsborough.
Geo. A. Newhall, Hillsborough.
Mrs. C. W. Penoyer, Hillsborough.
Oakland.
Geo. C Jensen.
METAL PRODUCTS COMPANY OF CALIFORNIA
Agents for
The Permutit Company
of New York.
Sheldon Bldg. 461 Market Street.
Telephone Douglas 1539.
PERMUTIT SOFT WATER.

### TREE SEEDS FOR EUROPE.

To reforest the devastated areas in France and Belgium and to replace the British forests cut down for war purposes, the American Forestry Association has formally presented to these countries through their consuls, thirty-five million tree seeds. The bags containing these seeds were piled on Boston Common before shipping and made a mound some eight feet high and as many feet square.

### WALTER R. BAKER PASSED AWAY.

Walter R. Baker, President and Manager of M. C. Baker & Son, died last Monday after a brief illness.

The funeral will be held today at 2 P. M., from the Parlors of Ashley & McMullen, Geary and Sixth Avenue.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| | | | |
|---|---|---|---|
| 540 | Black | Owner | 900 |
| 541 | Donaldson | Lorenz | 975 |
| 542 | Eidelatz | Peterson | 2900 |
| 543 | Nat'l. Carbon | Hannah | 1700 |
| 544 | Holmgren | Owner | 10000 |
| 545 | Irvine | Bos | 9000 |
| 546 | Lang | Plant | 2000 |
| 547 | S. F. Dairy | Britt | 6000 |
| 548 | Perkins | Owner | 500 |
| 549 | Harder | Harder | 2500 |
| 550 | Carleton | Maas | 5000 |
| 561 | Schaller | Weinholz | 3267 |
| 552 | Barwald | Rhoads | 500 |
| 553 | McCormick | Owner | 1500 |
| 554 | Falvey | Owner | 8000 |
| 555 | United Cigar | Brown | 1000 |
| 556 | Weissbein | Meyer | 6770 |
| 557 | Same | Same | 5915 |
| 558 | Carleton | Maas | 5035 |
| 559 | S P C | Flinn | — |
| 560 | Pacific Box | Ludwig | 6000 |
| 561 | Brackett | Gott | 6500 |
| 562 | Alaska Fur | Merritt | 1000 |
| 563 | Gibson | Owner | 24000 |
| 564 | Wilson | Owner | 3000 |
| 565 | King | Lewis | 5750 |
| 566 | Martinez | Hughes | 500 |
| 567 | Meyer | Meyer | 11500 |
| 568 | Roth | Lewis | 5400 |
| 569 | Nelson | Owner | 4000 |
| 570 | Luce | Owner | 800 |
| 571 | Rosenstock | Salanave | 10805 |
| 572 | Ondawa | Owner | 240000 |
| 573 | Chris. Sci. Ch | Anderson | 1500 |
| 574 | Terkeltauh | Cavanaugh | 2700 |
| 575 | Davis | Cal. Cpntr Shop | 500 |
| 576 | Franchi | Demartini | 1000 |
| 577 | Panama Rlty Co. | Franzen | 2900 |
| 578 | Lotter | Owner | 500 |
| 579 | Cooper | Owner | 500 |
| 580 | Asmussen | Jensen | 850 |
| 581 | Bellisle | Belliele | 1000 |
| 582 | Simonds | Owner | 5000 |
| 583 | Fontanella | Owner | 6000 |
| 584 | Schmidt | Forderer | 9181 |
| 585 | Brackett | Gott | 7500 |
| 586 | Barizan | Owner | 500 |
| 587 | Salvate | Coburn | 1000 |
| 588 | R C Archb | Owner | 1950 |
| 589 | Nicholson | Owner | 8000 |
| 590 | Vetto | Owner | 600 |
| 591 | Speetzen | Owner | 500 |
| 592 | Andersen | Owner | 4900 |
| 593 | Janssen | Owner | 7900 |
| 594 | Royal | Owner | 1500 |
| 595 | Nelson | Nelson | 8500 |
| 596 | Bauer | Bauer | 6500 |
| 597 | Morris | Morris | 10000 |
| 598 | Same | Same | 7000 |
| 599 | Mangels | Mangels | 6950 |
| 600 | Lipman | Nelson | 12500 |

#### PERMITS.

ALTERATIONS
(540) NO. 240-242 WALLER St. Rearrange plumbing, add breakfast room, cement work, etc., for flats.
Owner—Robert G. Black, 17 Woodland Ave., San Francisco.
Architect—None.
COST, $900

ALTERATIONS
(541) SE CLAYTON AND HAIGHT. Alter store front.
Owner—J. C. Donaldson, 560 Market St., San Francisco.
Architect—None.
Contractor—F. A. Lorenz, 473 Jessie St., San Francisco.
COST, $975

ALTERATIONS
(542) NW COLLINGWOOD & EIGHTEENTH. Alter store front, partitions, etc.
Owner—Joe Eidelatz, 264 Eureka St., San Francisco.
Architect—Albert W. Burgren, 661 Phelan Bldg., San Francisco.
Contractor—G. Peterson, Lick Bldg., San Francisco.
COST, $2900

GARAGE
(543) E EIGHTH 150 S Bryant. One-story frame private garage.
Owner—National Carbon Co., Eighth and Brannan, San Francisco.
Architect—M. C. Couchot, 110 Sutter St., San Francisco.
Contractor—Hannah Bros., 142 Sansome St., San Francisco.
COST, $1700

FRAME FLATS
(544) SE EIGHTH AVE & LINCOLN Way. Two-story and basement frame (4) flats.
Owner—Karl H. Holmgren, 2840 Clement St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. COST, $10,000

ALTERATIONS
(545) NE HYDE AND MARKET. One story brick extension for store.
Owner—James Irvine, Crocker Bldg., San Francisco.
Architect—None.
Contractor—Bos & O'Brien, Hearst Bldg., San Francisco.
COST, $9000

ADDITION, ETC.
(546) NO. 109 HOFFMAN AVE. Move sidewall and add one story to dwlg.
Owner—Giles B. Lang, Premises.
Architect—None.
Contractor—W. Plant, 4296 24th St., San Francisco.
COST, $2000

ADDITION
(547) NO. 1553 TURK. One-story brick addition for boiler room, shop and storage.
Owner—San Francisco Dairy Co., 1553 Turk St., San Francisco.
Architect—None.
Contractor—O. W. Britt, 1115 Scott St., San Francisco.
COST, $6000

ADDITION
(548) NO. 1412 TWENTY-THIRD AV. Add one room to present bungalow.
Owner—Mrs. B. N. Perkins, 1345 25th Ave., San Francisco.
Architect—None.
Day's work. COST, $500

FRAME FLATS
(549) E VERMONT 75 S 20th. Two-story and basement frame (2) flats.
Owner—J. H. Harder, 803 Vermont St., San Francisco.
Architect—None.
Day's work. COST, $2500

FRAME DWELLING
(550) NE EIGHTH AVE & ORTEGA. One-story and basement frame dwlg.
Owner—Isabel M. Carleton, 1884 8th Ave., San Francisco.
Architect—None.
Contractor—Maas & McGahey, 3974 22d St., San Francisco.
COST, $5000

#### RECORDED.

PLUMBING, GAS FITTING, ETC.
(551) LOT 73 Sbdvn. No. 1, Sea Cliff. Plumbing, gas fitting and sewering for three-story and basement residence.
Owner—W. F. Schaller, 909 Hyde St., San Francisco.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—N. George Wienholz, 3508 Mission St., San Francisco.
Filed March 1, '20. Dated Feb. 27, '20. On 15th and 30th of each month 75% Usual 35 days..... 25%
TOTAL COST, $3267.85
Bond, $1634. Surety, N. C. Wienholz and Fred W. Loowe. Limit, 60 days. Forfeit, none. Plans and specifications filed.

#### PERMITS.

ADDITION
(552) NO. 1899 GREEN. Add 2 rooms to dwelling.
Owner—Mrs. D. Barwald, Premises.
Architect—None.
Contractor—Mr. Rhoads.
COST, $500

ALTERATIONS
(553) NOS. 37-39 HILL. Alterations and changes for 2 flats.
Owner—Thos. McCormick, 25 Gladys St., San Francisco.
Architect—None.
Day's work. COST, $1500

FRAME DWELLING
(554) SE LAKE AND TWENTY-second Ave. Two-story and basement frame dwelling.
Owner—A. J. Falvey, 124 Clayton St., San Francisco.
Architect—Owner.
Day's work. COST, $8000

ALTERATIONS
(555) NW THIRD AND STEVENSON Alter front.
Owner—United Cigar Stores Co., 555 Howard St., San Francisco.
Architect—Jos. O'Shaughnessy, 555 Howard St., San Francisco.
Contractor—S. E. Brown, 1434 6th Ave., San Francisco.
COST, $1000

#### RECORDED.

FRAME DWELLING
(556) SW CABRILLO & TWENTIETH Ave W 90xS 25. All work except electric fixtures and wall paper for two-story frame dwelling.
Owner—Jacob Weissbein, Hobart Bldg. San Francisco.
Architect—None.
Contractor—Theodore G. and Rollin E. Meyer, 2628 Anza St., San Francisco
Filed Mar. 2, '20. Dated Feb. 18, '20.
Frame up .....$1692.50
Brown coated ..... 1692.50
Completed and accepted..... 1692.50
Usual 35 days..... 1692.50
TOTAL COST, $6770.00
Bond, $3385. Surety, Mrs. Anna Meyer. Limit, 120 days. Forfeit, $1.00. Plans and specifications filed.

FRAME DWELLING
(557) W TWENTIETH AVE 75 S Cabrillo S 25xW 70. All work except electric fixtures and wall paper for two-story frame dwelling.
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.
Architect—None.
Contractor—Theodore G. and Rollin E. Meyer, 2628 Anza St., San Francisco
Filed Mar. 2, '20. Dated Feb. 18, '20.
Frame up .....$1478.75
Brown coated ..... 1478.75
Completed and accepted..... 1478.75
Usual 35 days..... 1478.75
TOTAL COST, $5915.00
Bond, $2957.50. Surety, Mrs. Anna Meyer. Limit, 120 days. Forfeit, $1.00. Plans and specifications filed.

FRAME COTTAGE
(558) NE ORTEGA AND EIGHTH Ave N 100 E 35-0½ m or 1 S 100 W 29-2 m or 1 OL 950. All work for one story and basement frame cottage.
Owner—Isabel M. and Edwin H. Carleton, 1884 8th Ave., San Francisco.
Architect—None.
Contractor—H. P. Maas and R. J. McGahey, 3974 22nd St., San Francisco.
Filed Mar. 2, '20. Dated Mar. 1, '20.
Frame up and roof on.....$1035
Brown coated ..... 1000
Standing trim on..... 1000
Completed and accepted..... 1000
Usual 35 days..... 1000
TOTAL COST, $5035
Bond, none. Limit, 100 days after Mar.

3. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported March 2, 1920, No. 550.

CONCRETE WORK, ETC.
(559) BET. DIVISION, FLORIDA AND 16th Sts. Constructing and installing approximately 63,000 sq. ft. of asphaltic concrete pavement, grading, etc. and approximately 730 lin. ft. of 10-in. vitrified drain pipe and 4 catchbasins in driveways.
Owner—Southern Pacific Company.
Architect—None
Contractor—Flinn & Treacy Contracting Co., Call Bldg., San Francisco.
Filed Mar. 2, '20. Dated Feb. 25, '20.
At close of each month..... 75%
Usual 35 days..... 25%
TOTAL COST—Asphalt pavement, including grading, 20½c per sq. ft.; vitrified drain pipe, $1.35 per lin. ft.; catchbasins, $75 each.
Bond, $11,000. Surety, American Indemnity Co. Limit, 30 days after starting work. Forfeit, none. Plans and specifications filed.

**PERMITS.**

INCINERATOR
(560) S BEACH 100 W Mason. Construct Incinerator.
Owner—Pacific Box Company, Taylor and Beach, San Francisco.
Architect—None.
Contractor—Herman T. Ludwig, 636 Jessie St., San Francisco.
COST, $6,000

FRAME DWELLING
(561) S CLARENDON AVE 400 W Burnett. One-story and basement frame dwelling.
Owner—Fern E. Brackett.
Designer—Willis L. Gott.
Contractor—Willis L. Gott, 681 3rd Ave., San Francisco.
COST, $6500

ALTERATIONS
(562) NO. 1121 FILLMORE. Alter store front.
Owner—Alaska Fur Co., Premises.
Architect—G. M. Merritt, 3015 Geary St., San Francisco.
Contractor—G. M. Merritt, 3015 Geary St., San Francisco.
COST, $1000

FRAME DWELLINGS
(563) E FORTY-EIGHTH AVE 120, 145, 170, 195, 220 and 245 N Cabrillo. Six one-story and basement frame dwellings.
Owner—R. N. Gibson, Lankeshim Hotel San Francisco.
Architect—J. J. Donnellan, Clunie Bldg., San Francisco.
Day's work. $4000 each

FRAME DWELLINGS
(564) N MUNICH 125 and 160 E Naples Two one-story and basement frame dwellings.
Owner—R. J. Wilson, Palace Hotel, San Francisco.
Architect—D. C. Coleman, 20 Montgomery St., San Francisco.
COST, $1500 each

FRAME DWELLING
(565) N SOUTHWWOD DRIVE 68 E Elmwood. One-story and basement frame dwelling.
Owner—J. H. King, 1267 Bush St., San Francisco.
Architect—None.
Contractor—H. C. Lewis, 68 Post St., San Francisco.
COST, $5750

ALTERATIONS
(566) NO. 320 SEVENTEENTH AVE. Lower basement, install garage doors and terrazzo steps.
Owner—Mrs. A. Martinez, Holland Hotel, San Francisco.
Architect—None.
Contractor—J. E. Hughes, 2535 Anza St., San Francisco.
COST, $500

FRAME DWELLINGS
(567) W TWENTIETH AVE 25 and 60 S Cabrillo. Two two-story and basement frame dwellings.
Owner—Rollin E. Meyer, 2628 Anza St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 2628 Anza St., San Francisco.
COST, $5750 each

FRAME DWELLING
(568) S ULLOA 150 W Granvill. One-story and basement frame dwelling.
Owner—Martin A. Roth, 576 Mission St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—H. C. Lewis, 68 Post St., San Francisco.
COST, $5400

FRAME DWELLING
(569) S VICENTE 161 N Wawona. Two-story and basement frame dwlg.
Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $4000

ALTERATIONS
(570) NO. 3481 WASHINGTON. Alterations for basement garage and other minor changes.
Owner—G. W. Luce, S. P. Bldg., San Francisco.
Architect—None.
Day's work. COST, $800

FRAME DWELLING
W TWENTIETH AVE 75 S Cabrillo. Two-story and basement frame dwlg.
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.
Architect—None.
Contractor—Meyer Bros., 2628 Anza St., San Francisco.
NOTE:—Recorded contract reported March 3, No. 657.
COST, $5700

ALTERATIONS
(571) S BUSH 206-3 W Sansome W 68-9xS 137-6. All work for alterations and repairs to building.
Owner—Sarah Rosenstock and Hilda R. Nuttall, 2622 Jackson St., S. F.
Engineers—Heller & Wilson, 57 Post St., San Francisco.
Contractor—J. Salanave, 931 Pacific St., San Francisco.
Filed Mar. 3, '20. Dated Mar. 1, '20.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $10,805
Bond, $5402.50. Surety, Maryland Casualty Co. Limit, 45 days. Forfeit, $50. Plans and specifications filed.
NOTE:—Permit reported Feb. 25, 1920, No. 476.

**PERMITS.**

WAREHOUSE
(572) SW BRYANT AND RINCON. Five-story reinforced concrete warehouse.
Owner—The Ondawa Co., 268 Lee St., Oakland.
Engineer—W. H. Ellison, 369 Pine St., San Francisco.
COST, $240,000

UNDERPIN
(573) N CALIFORNIA 120 E Franklin. Underpin east wall of church.
Owner—First Church of Christ, Scientist, Premises.
Architect—Edgar Mathews, Call Bldg., San Francisco.
Contractor—N Andersen, 180 Jessie St., San Francisco.
COST, $1500

ALTERATION
(574) NW BUCHANAN AND FULTON. Change store into flat.
Owner—M. Terkeltaub, San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—T. A. Cavanagh, Gartland Hotel, San Francisco.
COST, $2700

ALTERATIONS
(575) SE BROADWAY AND Kearny. Alterations and changes for soft drink store.
Owner—Mrs. Davis, Premises.
Architect—None.
Contractor—California Carpenter Shop, 400 Columbus Ave., San Francisco.
COST, $500

ALTERATIONS
(576) NO. 147 CHENERY. Raise and make alterations and repairs to flats.
Owner—Antonio Franchi, Premises.
Architect—None.
Contractor—F. Demartini, 274 29th St., San Francisco.
COST, $1000

REPAIRS
(577) REAR OF 68 EIGHTH ST. Repair fire damage for garage.
Owner—Panama Realty Co., 68 Post St., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma, San Francisco.
COST, $2900

ALTERATIONS
(578) NO. 124 ELLIS ST. Change on entrance, move partitions, etc.
Owner—Edw. Lotter, 124 Ellis St., San Francisco.
Architect—Matthew O'Brien, 68 Post, San Francisco.
Day's work. COST, $500

CARPENTRY WORK
(579) NW GREEN AND LAGUNA. Carpentry work, plastering, etc.
Owner—Jane N. Cooper, 823 Taylor St., Apt. No. 5, San Francisco.
Architect—None.
Day's work. COST, $500

ADDITIONS
(580) NO. 723 HAIGHT. Minor additions and alterations to residence.
Owner—M. J. Asmussen, 964 Noe St., San Francisco.
Architect—None.
Contractor—James Jensen, 550 Valencia St., San Francisco.
COST, $950

ALTERATIONS
(581) NO. 1535 PINE. Install wall beds; build closets; plumbing, etc., for rooming house.
Owner—Emily Bellisle, 1214 Polk St., San Francisco.
Architect—A. A. Cantin, 68 Post St., San Francisco.
Contractor—Frank Bellisle, 1214 Polk St., San Francisco.
COST, $1000

FRAME DWELLING
(582) W TWENTY-EIGHTH AVE 115 N Anza. One-story and basement frame dwelling.
Owner—W. S. Simonds, 251 27th Ave., San Francisco.
Architect—E. E. Young, 251 Kearny St., San Francisco.
Day's work. COST, $5000

FRAME FLATS
(583) E TWENTY-THIRD AVE 122-6 N Geary. Two-story and basement frame (2) flats.
Owner—Louis Fontanella, 1682 Eddy St., San Francisco.
Architect—None.
Day's work. COST, $6000

**RECORDED**

SHEET METAL WORK
(584) SECOND TO STERLING STS. All work for sheet metal for addition to plant.
Owner—Schmidt Lithograph Co., Prem.
Manager of Constr.—Frederick Whitton, 369 Pine St., San Francisco.
Contractor—Forderer Cornice Works 269 Portero Ave., San Francisco.
Filed Mar. 4, '20. Dated Feb. 13, '20.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $918
Bond, $4590. Surety, United States Fidelity & Guaranty Co. Limit, June 1, 1920. Forfeit, $10. Plans and specifications filed.

RESIDENCE AND GARAGE
(585) S CLARENDON AVE 400 W Burnett Ave being Lots 15 and 16 Blk 11 ——, All work for one-story and garage frame residence.
Owner—Fern E. and Frank H. Brackett 798 Post St., San Francisco.
Architect—None.
Contractor—Willis L. Gott, 681 3rd Ave., San Francisco.
Filed Mar. 4, '20. Dated Feb. 28, '20.
Grading and concrete foundations done .....$ 937.50
Frame up ..... 937.50
Enclosed ..... 937.50
Plaster completed ..... 937.50
Completed and accepted.... 1875.00
Usual 35 days..... 1875.00
TOTAL COST, $7500.00

Bond, $3750. Surety, Lion Bonding & Surety Co. Limit, 75 days after Mar. 4. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Mar. 4, 1920, No. 561.

**PERMITS.**

REPAIRS
(586) NO. 598 BEALE ST. General repairs for restaurant.
Owner—P. Barizan, 10 Guy Place, San Francisco.
Architect—None.
Day's work. COST, $500

REPAIRS
(587) NO. 272 CONNECTICUT ST. Repair fire damage.
Owner—Mr. Salvato, 272 Connecticut, San Francisco.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie, San Francisco.
COST, $1000

DWELLING
(588) NW DELTA AND RAYMOND. Two-story and basement frame dwelling.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—None.
Day's work. COST, $1,950

MACHINE SHOP
(589) NW FRANKLIN AND GROVE Sts. One-story brick auto machine shop.
Owner—Harry M. Nicholson, 155 Grove St., San Francisco.
Architect—A. Lacy Worswick, Call Bldg., San Francisco.
COST, $8,000

ALTERATION
(590) SW GEARY AND WEBSTER. Change residence front, cement work, etc.
Owner—C. F. W. Vetto, 1400 Webster, San Francisco.
Architect—None.
COST, $600

(591) NO. 65 HANCOCK. Add two rooms to present building.
Owner—W. Speetzen, 65 Hancock St., San Francisco.
Architect—None.
COST, $500

DWELLING
(592 S JUDAH 82-6 W 11th Ave. One-story and basement frame dwelling.
Owner—Andersen Bros., 315 Clipper, San Francisco.
Day's work. COST, $4,900

DWELLINGS
(593) E SEVENTEENTH AVE. 125 and 200 S Cabrillo. Two one-story and basement frame dwellings.
Owner—E. A. Janssen, 802 Hearst Bldg., San Francisco.
Architect—None.
Day's work. COST, $3,950 each

RECONSTRUCT
(594) NO. 201 SANSOME ST. Reconstruct tile and plaster partitions.
Owner—Royal Insurance Co., Ltd., 201 Sansome St., San Francisco.
Architect—None.
COST, $1,500

**RECORDED**

BUNGALOW
(595) LOT 22 BLK 3176. Westwood Park. All work for one-story frame bungalow and garage.
Owner—Hans and Esther E. Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. H. Strothoff, 2276 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Mar. 5, '20. Dated Mar. 2, '20.
Frame up and enclosed.....$2125
Brown coated ..... 2125
Completed and accepted..... 2125
Usual 35 days..... 2125
TOTAL COST, $8500
Bond, $4500. Sureties, Chas. Monson & Edward Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING AND GARAGE
(696) LOT 3 BLK 3196, Westwood Park. All work for one-story frame dwelling and garage.
Owner—Lucy A. Bauer and Arthur Quinn, 2506 23rd Ave., S. F.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—Louis A. Bauer, 2506 23rd Ave., San Francisco.
Filed Mar. 5, '20. Dated Feb. 13, '20.
Frame up and enclosed.....$1625
Interior and exterior brown coat plaster on ..... 1625
Completed and accepted..... 1625
Usual 35 days..... 1625
TOTAL COST, $6500
Bond, $3000. Surety, Louise Bauer. Limit, 90 days from Feb. 13th. Forfeit, none. Plans and specifications filed.

(597) LOTS 2 & 3, BLK 3164 Westwood Park. All work for one-story bungalow.
Owner—Linnie Morris, 132 Judson Ave., San Francisco.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—Gordon W. Morris, 132 Judson Ave., San Francisco.
Filed Mar. 5, '20. Dated Feb. 18, '20.
Frame up and enclosed.....$2500
Interior and exterior brown coat plaster on ..... 2500
Completed and accepted..... 2500
Usual 35 days..... 2500
TOTAL COST, $10,000
Bond, $5000. Sureties, David C. Brown and Geo. Y. Morton. Limit, 90 days after Feb. 18. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOW
(598) LOT 6 BLK 3175 Westwood Park. All work for one-story frame bungalow.
Owner—Linnie Morris, 132 Judson Ave., San Francisco.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—Gordon W. Morris, 132 Judson Ave., San Francisco.
Filed Mar. 5, '20. Dated Feb. 18, '20.
Frame up and enclosed.....$1750
Brown coated ..... 1750
Completed and accepted..... 1750
Usual 35 days..... 1750
TOTAL COST, $7000
Bond, $3500. Sureties, David C. Brown and Geo. Y. Morton. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING
(599) LOT 12 BLK 3175 Westwood Park. All work for one-story frame and basement frame dwelling.
Owner—Henry C. and Wm. J. Mangels, 1142 Naples, San Francisco.
Architect—Theo. Lenzen, Humboldt Bank Bldg., San Francisco.
Contractor—Mangels Bros., 1142 Naples St., San Francisco.
Filed Mar. 5, '20. Dated Feb. 26, '20.
Frame up and enclosed.....$1737.50
Brown coated ..... 1737.50
Completed and accepted..... 1737.50
Usual 35 days..... 1737.50
TOTAL COST, $6950.00
Bond, $3500. Sureties, Annie L. Kohlbecker and Mrs. Dora Mangels. Limit, 90 days. Forfeit, none. Plans and specifications filed.

(600) LOT 5 BLK 3134 Westwood Park. All work for a one-story frame dwelling and garage.
Owner—Harrison R. and Aileen Lipman, care Rosenberg Bros. & Co., 334 California St., San Francisco.
Architect—Chas F. Strothoff, 2276 15th Ave., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed March 6, '20. Dated March 3, '20.
Frame up and enclosed .....$3,125
Brown coated ..... 3,125
Completed and accepted ..... 3,125
Usual 35 days ..... 3,125
TOTAL COST, $12,500
Bond, $6250. Sureties, Chas. Monson and Edwin T. Peterson. Forfeit, none. Limit, 90 days. Plans and specifications filed.

**LEASES.**

**San Francisco County.**

Mar. 1, 1920—W MISSION 92 N 23rd N 38xW 125. Skaller Realty & Trading Co to George Eng & Co. 10 years. $87,000.
Mar. 1, 1920—SW O'FARRELL AND Carlos Place (Store). Levy Real Estate Co to Nick Doulos. 3 years. $3120.
Mar. 1, 1920—SW O'FARRELL AND Carlos Place (Store). Levy Real Estate Co to George S Counas. 5 years 6 months. $12,000.
Mar. 1, 1920—NE POST & BUCHANAN No. 1692-1694-1710-1712 and 1714 Buchanan. George T Levy to S Onc. 5 Years. $13,500.
March 2, 1920—S HOWARD bet. 3rd and 4th 743 Howard St. T. A. Sullivan to J. Fink and Sam Brenner; 3 years; $3060.
March 2, 1920—E MAIN 137-6 S Mission S 45-10xE 137-6. Katherine McCarthy to John Jardine as Jardine Machinery Co.; 5 years; $10,300.
March 2, 1920—659 McALLISTER bet. Franklin and Gough. E. Candevan to Peter and Marie Lafou; 3 years; $4,500.
March 2, 1920—N TURK 105 W Mason. Emily C. McEnery to W. H. Morrissey; 5 years; $29,250.
Mar. 5, 1920—NO. 1535 HAIGHT. Robt. White Co to Carl Schmidt and Otto Schuffner. 5 years. $3600.
Mar. 5, 1920—S BUSH bet. Sansome & Battery. Wilson Estate Co to Julian W and Sanford H Rogers (as Rogers Shoe Co.) 5 years. $225 per month.
Mar. 5, 1920—NO. 9 PALM AVE. Chas W Higgins to Sanford H Rogers. 2 years. $90 per month.
Mar. 5, 1920—NO. 24 EMBARCADERO. Pockwitz Rebmann Realty Co to H Becker. 5 years. $9750.
Mar. 5, 1920—E SANSOME bet. Jackson and Pacific No. 706 Sansome. Fred A Quinby to Goldberg & Leonhardt. 3 years. $6300.

**NOTICE OF NON-RESPONSIBILITY.**

**San Francisco County.**

Mar. 5, 1920—NO. 1015 VAN NESS Ave. Mrs Carrie H Sener as to improvemnts on leased property...
Mar. 1, 1920—S SUTTER 87-1 W Sansome W 20 S 99-11 NE 25-7¾ N 85-6. Isaac Liebes and Albert Meyer as to improvements on leased property .....

## COMPLETION NOTICES

### San Francisco County

Feb. 28, 1920—COMG. 306-2 S ISLAIS and 370 E Third S 100xE 100. Willits & Patterson to whom it may concern.....Dec. 23, 1919
Mar. 1, 1920—E LEAVENWORTH bet. Beach and Jefferson. California Packing Corp to G. Trevia.... .....Feb. 2, 1920
March 2, 1920—W TWENTY-SECOND Ave. 225 N Geary N 25x120. John Johnson to whom it may concern. .....:Feb. 28, 1920
March 2, 1920—SE CLEMENT and 32nd Ave S 100xE 24. Dominic Trevisani to G M Hantzsche..... .....March 1, 1920
March 2, 1920—S Sutter 160-5 E Jones. J R Savory to C Sartorio .....Feb. 28, 1920
March 2, 1920—NO. 47 HAMPTON Place. Mary A. Growney to Joseph Bohem .....Feb. 26, 1920
March 3, 1920—N POST 54 W Franklin W 83-6xN 137-6. Laidlaw Company of California to Mullen Manufacturing Co.....Feb. 8, 1920
March 3, 1920—N POST 54 W Franklin W 83-6xN 137-6. A. M. Benfield to Frederick W. Snook Company .....Oct. 10, 1919
March 4, 1920—NW PACIFIC AND Columbus Ave. D Francis to Pacific Elevator and Equipment Co..... .....Feb. 20, 1920
March 4, 1920—NW PACIFIC AND Columbus Ave. D. Francis to A. Elvin .....Feb. 24, 1920
Mar. 5, 1920—E TWENTY-FOURTH Ave 250 N Bolboa N 50xE 120. Rollin E Meyer to Meyer Bros.... .....Mar. 4, 1920
Mar. 5, 1920—NO. 858 ASHBURY. Jno A O Cobick to George M Merritt..... .....Mar. 1, 1920

**LIENS FILED.**

**San Francisco County.**

Feb. 27, 1920—N UNION 137-6 W Steiner 55x137-6. B Melano vs John C and Anna Hladik .....$1647

Feb. 28, 1920—SE VAN NESS AVE and O'Farrell E 109x60. Thomas A Cavanagh vs. A. Steinberger.$3712.31
Mar. 1, 1920—NW LIZZIE & PROSpect N 23-4 — 70 S 23-4 N 70. Eaton & Smith vs. Jennie Caflesh...$356.28
March 2, 1920—LOTS 13 AND 14 BLK. 11, of the Market St. Homestead Ass'n. (48-52-56-60-64-68 Yukon St.) J W Adams vs Alvida L Haynes .....$450
March 2, 1920—W FORTY-FOURTH Ave. 150 N Kirkham. The Greater City Lumber Company vs. E. J. F. Phillips .....$64.65
Mar. 3, 1920—S FOURTEENTH 126 E Castro. Thos. Leonard and J E Davenport (as Leonard Lumber Co) vs Mary A Monks and Michael Irwin .....$123.93

## BUILDING CONTRACTS

### Alameda County

| | | | |
|---|---|---|---|
| 412 | S. F. & O. T. Ry. | Owner | 550 |
| 458 | Murphy | Owner | 4750 |
| 459 | Woodburn | Owner | 4975 |
| 460 | Hughes | Rollins | 6000 |
| 461 | Kracan | Burks | 500 |
| 462 | Barboza | Owner | 2000 |
| 463 | Styles | Jones | 485 |
| 464 | Hunker | Pratt | 450 |
| 465 | Bkly Dev. | Mason | 3000 |
| 466 | Townsend | Squires | 490 |
| 467 | Montmes | Broad | 800 |
| 468 | Farhes | Kidder | 500 |
| 469 | Rittigstein | Corbett | 450 |
| 470 | Ketscher | Owner | 5000 |
| 471 | Standard Oil | Owner | 500 |
| 472 | Royal | Corbett | 400 |
| 473 | Swift | Larmer | 600 |
| 474 | Wesldorf | McCann | 450 |
| 475 | Okd. Bkly Mtl | Owner | 1000 |
| 476 | Okd Hsptl | Frazel | 1625 |
| 477 | Chanquet | Corbett | 480 |
| 478 | Rosenthal | Monte | 650 |
| 479 | Navalett | Lasso | 1500 |
| 480 | State Svgs Bk | Fedt | 9600 |
| 481 | Thomas | Hopper | 600 |
| 482 | International Sales | Owner | 500 |
| 483 | Gilson | Kern | 5800 |
| 484 | Hunt | Allen | 1250 |
| 485 | Wstrn Elec Fac | Fire Ex | 3680 |
| 486 | Bkly High | Sorensen | 82429 |
| 487 | Manning | Greuner | 2000 |
| 488 | Knight | Horton | 1300 |
| 489 | Brakebell | Sanctuary | 557 |
| 490 | Holland | Mott | 3000 |
| 491 | Johnson | Scott | 12800 |
| 492 | Hughson | Scott | 465 |
| 493 | Taylor | Tanner | 2708 |
| 494 | Kimbul | Hollenbeck | 7495 |
| 495 | Bkly. High | Nottingham | 11999 |
| 496 | Kales | Owner | 11000 |
| 497 | Osterdock | Stewart | 475 |
| 498 | Stotmeyer | Snell | 485 |
| 499 | Howinski | Owner | 500 |
| 500 | Corse | Larmer | 8500 |
| 501 | Hansson | Owner | 4500 |
| 502 | Woodward | Bryant | 1000 |
| 503 | Block | Owner | 3500 |
| 504 | Dinsmore | Duval | 26000 |
| 505 | Associated Oil | Owner | 2000 |
| 506 | White | Wieben | 3900 |
| 507 | Griffith | Owner | 3500 |
| 508 | Palfreman | Anderson | 9000 |
| 509 | McClure | Duval | 22800 |
| 510 | Bimewig | Perona | 500 |
| 511 | Johnson, et al | Scott | 12812 |
| 512 | Hauser | Hancock | 4460 |
| 513 | Cavarly | Schwalm | 24594 |
| 514 | Mattern | Baker | 2305 |
| 515 | Pavert | Owner | 20000 |
| 516 | Pavert | Owner | 4000 |
| 517 | Pavert | Owner | 16000 |
| 518 | Pavert | Owner | 8000 |
| 519 | Pavert | Owner | 8000 |
| 520 | Pavert | Owner | 4000 |
| 521 | Minor | Glasgow | 500 |
| 522 | Lautz | Owner | 1500 |
| 523 | Independent | Lindgren | 20000 |
| 524 | Gallagher | Van Ness | 400 |
| 525 | Maccairo | Burritt | 759 |
| 526 | Popular Invt. | MacGregor | 32000 |
| 527 | Rowe | Hopper | 15585 |

DWELLING
(458) NE FORTY-SECOND and Webster, Oakland. One-story, 6-room dwelling.
Owner—J. E. Murphy, 1916 Franklin St., Oakland.
Architect—None.
Day's work. COST,$ 4750

DWELLING AND GARAGE
(459) LOT 22, BLK. F, LAKEWOOD Park, Piedmont. Two-story frame dwelling and garage.
Owner—Paul E. Woodburn, 3965 Greenwood Ave., Oakland.
Architect—None.
Day's work. COST, $4975

DWELLING
(460) E LAKESHORE BLVD. 200 N Brooklyn, Oakland. Two-story, six-room dwelling.
Owner—C. C. Hughes, 348 Chicago Ave., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—E. E. Rollins, 357 Athol Ave., Oakland. COST, $6000

GARAGE
(461) NO. 5554 LAWTON AVE., Oakland. Garage.
Owner—Mrs. Kracan, Premises.
Architect—None.
Contractor—C. E. Burks, 4152 Randolph Ave., Oakland. COST, $500

DWELLING
(462) W SEVENTY-NINTH AVE. 20 S "B" St., Oakland. One-story, 5-room dwelling.
Owner—Manuel Barboza, 215 4th St., Oakland.
Architect—None.
Day's work. COST, $2000

ALTERATION
(463) NO. 381 TWELFTH ST., Oakland. Alteration.
Owner—Styles Music House, Prem.
Architect—None.
Contractor—F. G. Jones, 1217 Webster St., Oakland. COST, $485

GARAGE
(464) NO. 2408 BANCROFT WAY, Berkeley. Garage.
Owner—Andrew Hunker, Premises.
Architect—None.
Contractor—W. E. Pratt, 2428 Bancroft Way, Berkeley. COST, $450

DWELLING
(465) W JOSEPHINE 75 N Sonoma Ave., Berkeley. One and one-half-story 6-room dwelling.
Owner—Berkeley Development Co., Shattuck Ave. and Addison, Bkly.
Architect—None.
Contractor—Mason-McDuffie Co., Shattuck Ave. and Addison, Berkeley. COST, $3000

ALTERATIONS
(466) NO. 1203 SHATTUCK AVE., Berkeley. Alterations.
Owner—W. Townsend, Premises.
Architect—None.
Contractor—E. J. Squires, 2117 Rose St., Berkeley. COST, $490

ALTERATIONS
(467) COR. SHATTUCK AND CENTER, Berkeley. Alterations.
Owner—W. J. Montmes.
Architect—None.
Contractor—A. H. Broad, 2117 Kittridge, Berkeley. COST, $800

BOOT BLACK STAND
(468) NO. 2229 TELEGRAPH AVE., Berkeley. One-story brick boot black stand.
Owner—Mrs. Robert Farhes, 2526 Bancroft Way, Berkeley.
Architect—None.
Contractor—H. C. Kidder, 2075 Addison St., Berkeley. COST, $500

ALTERATIONS
(469) NO. 1502 BROADWAY, Oakland. Alterations.
Owner—Maiden Rittigstein.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. COST, $450

DWELLING
(470) SW COR. ELSINOR AND SAN Sebastian, Oakland. One-story 7-room dwelling.
Owner—Mrs. Caroline Ketscher, 941 Union St., Oakland.
Architect—None.
Day's work. COST, $5000

OIL STATION
(471) NW E-EIGHTEENTH AND Fourth Ave., Oakland. One-story steel oil station.
Owner—Standard Oil Co.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(472) ELEVENTH AND WASHINGton, Oakland. Alterations.
Owner—Royal Shoe Co., Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. COST, $400

ADDITION
(473) NO. 703 HADDON ROAD, Oakland. Addition.
Owner—H. Swift.
Architect—None.
Contractor—Edw. Larmer, 470 Broadway, Oakland. COST, $600

ALTERATIONS
(474) NO. 1650 SEVENTH, Oakland. Alterations.
Owner—H. Wesldorf & Son.
Architect—None.
Contractor—Tom McCann, 5th and Henry Sts., Oakland. COST, $450

ADDITION
(475) STANFORD AND LOWELL, Oakland. Addition.
Owner—Oakland Bldg. Material Co., 5000 Broadway, Oakland.
Architect—None.
Day's work. COST, $1000

HEATING PLANT
(476) NO. 598 THIRTY-FIRST, Oakland. Heating plant.
Owner—Oakland Hospital Corp.
Architect—None.
Contractor—L. D. Frazel, 699 31st, Okd. COST, $1625

FIRE REPAIRS
(477) NO. 718 WASHINGTON, Oakland. Fire repairs.
Owner—P. Chanquet, 715 Washington St., Oakland.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. COST, $480

ALTERATIONS
(478) NO. 915 WASHINGTON, Oakland. Alterations.
Owner—H. Rosenthal, Premises.
Architect—None.
Contractor—Monte Santa Bakery, 915 Washington, Oakland. COST, $650

ALTERATIONS
(479) NO. 917 WASHINGTON, Oakland. Alterations.
Owner—Chas. C. Navalett.
Architect—None.
Contractor—G. M. Lasso, San Jose, Cal. COST, $1500

DWELLINGS
(480) S BROOKLYN AVE 190 and 250 W Park Blvd., Oakland. Two one-story 6-room dwellings.
Owner—State Savings Bank, 1303 Franklin, Oakland.
Architect—None.
Contractor—Fedt Bros., 528 25th St., Oakland. COST, $4800 each

ALTERATIONS
(481) NO. 1728 PLEASANT VALLEY Ave., Oakland. Alterations.
Owner—Capt. W. R. Thomas.
Architect—None.
Contractor—M. E. Hopper & Son, 12 Linda Ave., Oakland. COST, $600

ALTERATIONS
(482) NO. 2039 ADDISON, Berkeley. Alterations.
Owner—International Sales Co., Prem.
Architect—None.
Day's work. COST, $500

DWELLING
(483) N INDIAN ROCK AVE No. 956, Berkeley. Two-story 7-room dwlg.
Owner—J. S. Gilson, 439 West Third St., Los Angeles.
Contractor—Herbert F. Kern, 965 Indian Rock Ave., Berkeley.
Architect—None. COST, $5800

ALTERATIONS
(484) NO. 2 UPLANDS, Berkeley. Alterations.
Owner—H. E. Hunt, 2908 Channing Way, Berkeley.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley.
COST, $1250

SPRINKLERS
(485) EMERYVILLE. 240 Sprinklers.
Owner—Western Electric Co., Prem.
Architect—None.
Contractor—Pacific Fire Extinguisher Co., 440 Howard St., San Francisco.
Filed Mar. 2, '20. Dated Feb. 25, '20. Payments not given.....
TOTAL COST, $3680
Bond, $1840. Sureties, Burt L. and W. S. Davis. Limit, forfeit, none. Specifications only filed.

CARPENTRY AND MILLWORK
(486) BOUNDED BY GROVE ST., Bancroft Way, Channing Way and Milvia St., Berkeley. Carpentry and mill work for High School.
Owner—Berkeley High School District of Alameda County, Etc.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—Walter Sorensen, 3219 Ellis St., Berkeley.
Filed March 3, '20. Dated Feb. 19, '20. 1st Saturday after 1st Tuesday each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $82,429
Bonds, $42,000 and $42,000. Sureties, Maryland Casualty Co. Forfeit, none. Limit, 125 days. No plans or specifications filed.

ALTERATION
(487) E LAKESHORE 467 S Excelsior, Oakland. Alter dwelling.
Owner—A. B. Manning, 176 Grand Ave. Oakland.
Architect—None.
Contractor—W. Greuner, 176 Grand Ave., Oakland.
COST, $2000

GARAGE
(488) NO. 1547 OAK, Oakland. One-story brick garage.
Owner—R. S. Knight, Vista & Bonita Aves., Oakland.
Architect—None.
Contractor—Jas. D. Horton, 235 Blake Block, Oakland.
COST, $1300

ADDITION
(489) NO. 2423 MARKET, Oakland. Addition.
Owner—Mrs. Brakebell, Premises.
Architect—None.
Contractor—E. F. Sanctuary, 1070 66th St., Oakland.
COST, $557

ALTERATIONS
(490) NO. 418 NINTH, Oakland. Alter express office into garage.
Owner—Arthur Holland.
Architect—None.
Contractor—R. B. Mott, 1434 Park St., Alameda.
COST, $3000

GARAGE
(491) NW TWENTY-FIRST AND SAN Pablo Ave., Oakland. One-story brick garage.
Owner—B. O. Johnson, Syndicate Bldg., Oakland.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland.
COST, $12,800

ALTERATIONS
(492) NW TWENTY-FOURTH AND Broadway, Oakland. Alterations.
Owner—W. L. Hughson Co., Premises.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland.
COST, $465

DWELLING
(493) E FLEURANGE 400 N Hopkins, Berkeley. One-story 5-room dwlg.
Owner—H. W. Taylor.
Architect—None.
Contractor—Frank Tanner, 1118 Delaware, Berkeley.
COST, $2700

FRAME DWELLING
(494) PTN LOTS 13 AND 15 BLK 1, Rock Ridge Place, Oakland. All work for two-story and basement frame dwelling.
Owner—M. S. Kimbul, 1206 Broadway, Oakland.
Architect—Reed & Corlett, Oakland Bk. of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 3516 Richmond Ave., Oakland.
Filed Mar. 3, '20. Dated Feb. 28, '20. 1st day of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $7495
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

HEATING AND VENTILATING.
(495) BOUNDED BY GROVE ST., Bancroft Way, Channing Way and Milvia St., Berkeley. Heating and ventilating for high school.
Owner—Berkeley High School District of Alameda County, Etc.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—W. K. Nottingham, 466 41st St., Oakland.
Filed Mar. 3, '20. Dated Feb. 20, '20. 1st Saturday after 1st Tuesday of each month ..... 75%
Usual 35 days..... 25%
TOTAL COST, $11,999
Bonds, $6000 and $6000. Surety, National Surety Co., Limit, 20 days. Forfeit, none. Plans and specifications, none.

DWELLING
(496 NO. 1637 DAYTON AVE., Alameda. Two and one-half-story 10-room dwelling.
Owner—F. A. Kales, 1539 Central Ave., Alameda.
Architect—None.
Day's work. COST, $11,000

ALTERATIONS
(497) NO. 2004 EVERETT, Alameda. Alterations.
Owner—J. C. Osterdock, Premises.
Architect—None.
Contractor—G. Stewart, 3010 Central Ave., Alameda.
COST, $475

ALTERATIONS
(498) NO. 1723 ST. CHARLES ST., Alameda. Alterations.
Owner—Mrs. A. Stotmeyer, 1537 St. Charles St., Alameda.
Architect—None.
Contractor—D. J. Snell, 2525 Adeline St., Oakland.
COST, $485

GARAGE
(499) NO. 1025 SAN ANTONIO AVE., Alameda. Garage.
Owner—Edw. Howinski, Premises.
Architect—Non
Day's work. COST, $500

DWELLING
(500) W COLLEGE AVE 250 N Alcatraz Ave., Berkeley. Two-story 10-room dwelling.
Owner—L. Corse, Berkeley.
Architect—None.
Contractor—Edw. Larmer, 470 Boulevard Way, Oakland.
COST, $8550

DWELLING
(501) E COLUSA AVE 300 S Monterey, Berkeley. One-story 6-room dwlg.
Owner—Louis O. Hausson, 1409 Bonita, Berkeley.
Architect—None.
Day's work. COST, $4500

ADDITION
(502) THIRD AND CAMELIA, Berkeley. Add to factory.
Owner—F. J Woodward, Federal Realty Bldg., Oakland.
Architect—None.
Contractor—L. A. Bryant, 1528 Wellington, Berkeley.
COST, $1000

DWELLING
(503) E ATHOL AVE bet. E-19th and E-20th, Oakland. One-story 5-room dwelling.
Owner—Peter Block, 109 Arbor Drive, Piedmont.
Architect—None.
Day's work. COST, $3500

STORES
(504) W BROADWAY 200 S 24th, Oakland. One-story brick stores.
Owner—L. C. Dinsmore, 27 Highland Ave., Piedmont
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—Oliver Duval & Son, Dalziel Bldg., Oakland.
COST, $26,000

SERVICE STATION
(505) NE FOOTHILL BLVD. AND 35th Ave., Oakland. One-story steel service station.
Owner—Associated Oil Co., Sharon Bldg., San Francisco.
Architect—None.
Day's work. COST, $2000

DWELLING
(506) NE MANDANA BLVD. AND Paloma, Oakland. One-story five-room dwelling.
Owner—C. E. White, Lakeshore Apts., Oakland.
Architect—None.
Contractor—Alex C. Wieben, 3602 Fruitvale Ave., Oakland.
COST, $3900

DWELLING
(507) E SHAFTER AVE 60 N 42nd, Oakland. One-story 5-room dwelling
Owner—T. Griffith & Co., 4618 Walnut Ave., Oakland.
Architect—None.
Day's work. COST, $3500

BOILER HOUSE
(508) E TWENTY-NINTH AVE 295 N Elmwood Ave., Oakland. One-story concrete boiler house.
Owner—A. W. Palfreman, 40 California St., San Francisco.
Architect—None.
Contractor—Geo. W. Anderson, 684 16th St., Oakland.
COST, $9000

GARAGE AND STORE
(509) NW TENTH AND OAK, Oakland. One-story brick garage and store.
Owner—Georgia McClurg, 17 Prospect Drive, Oakland.
Architect—None.
Contractor—Oliver Duval & Son, Dalziel Bldg., Oakland.
COST, $22,800

FIRE REPAIRS
(510) NO. 719 WASHINGTON ST., Oakland. Fire repairs.
Owner—A. Birnewig.
Architect—None.
Contractor—John Perona, 570 7th St., Oakland.
COST, $500

GARAGE
(511) NW TWENTY-FIRST AND San Pablo Ave. W 105xN 59.2, Oakland. One-story brick garage.
Owner—Ben O. Johnson, Chas. E. Snook, Berta L. Thomas, Syndicate Bldg., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—G. A. Scott, 685 23rd St., Oakland.
Filed Mar. 4, '20. Dated Feb. 26, '20. Roof trusses erected ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $12,812
Bond, $7,000. Sureties, Carl Doell and C. M. McGregor. Forfeit, none. Limit, June 1. Plans and specifications filed.
NOTE:—Permit reported March 5, 1920. No. 491.

STORES AND FLATS
(512) N E-FOURTEENTH ST. 70 W 39th Ave. All work for store and flat building.
Owner—E. J. Hauser, Premises.
Architect—None.
Contractor—V. A. Hancock and George H. Lydiksen (Hancock & Lydiksen), 1244 39th Ave., Oakland.
Filed Mar. 4, '20. Dated Oct. 1, 1919. Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4460
Bond, Sureties, Forfeit, none. Limit, 60 days. No plans or specifications filed.
NOTE:—Permit reported Oct. 11, 1919. No. 3187.

APARTMENTS
(513) LOT 6, BLK. 23, Map Lakeside Tract, Oakland. All work for two-story six apartments, except steam heating plant and domestic hot water boiler.
Owner—Evelyn Cavarly,

Architect—Schirmer, Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Harry Schwalm, Hayward, Cal.
Filed Mar. 5, '20. Dated Mar. 3, '20.
Extra sheathing on .....$4,611.35
Brown coated ..... 4,611.35
Interior ready for paint .... 4,611.35
Completed and accepted .... 4,611.35
Usual 35 days ..... 6,148.60
TOTAL COST, $24,594.00
Bond, $12,300. Sureties, E. L. Blackman and H. J. Quinn. Forfeit, none. Limit, 120 days. Plans and specifications filed.

PAINTING
(514) LOTS 6 AND 7, OAK RIDGE, Berkeley. Painting for two-story and basement frame dwelling.
Owner—G. A. Mattern, Berkeley.
Architect—Upton & Latham, 454 Montgomery St., San Francisco.
Contractor—W. T. Baker, 1330 Webster St., Oakland.
Filed Mar. 4, '20. -Dated Mar. 3, '20.
Interior had three coats .....$864
Completed and accepted ..... 864
Usual 35 days ..... 577
TOTAL COST, $2305
Bond, Sureties, Forfeit none. Limit, 25 days. Plans and specifications filed.

DWELLINGS
(515) S PARKER 185, 145, 115, 75, 35, E Grove St., Berkeley. Five one-story six-room dwellings.
Owner—R. J. Pavert, 2070 Auseon Ave., Oakland.
Architect—None.
COST, $4,000 each

DWELLING
(516) SE PARKER AND GROVE, Berkeley. One-story, six-room dwlg.
Owner—R. J. Pavert, 2070 Auseon Ave., Oakland.
Architect—None.
Day's work. COST, $4,000

DWELLINGS
(517) W CARLOTTA 232, 270, 316, 358 S Posen, Berkeley. Four one-story, frame dwellings.
Owner—R. J. Pavert, 2070 Auseon Ave., Oakland.
Architect—None.
Day's work. COST, $4,000 each.

DWELLINGS
(518) N CARLTON 102 and 150 E Grove, Berkeley. Two one-story, six-room dwellings.
Owner—R. J. Pavert, 2070 Auseon Ave., Oakland.
Architect—None.
Day's work. COST, $4,000 each

DWELLINGS
(519) E GROVE 90 and 40 N Carlton, Berkeley. Two one-story, 6-room dwellings.
Owner—R. J. Pavert, 2070 Auseon Ave., Oakland.
Architect—None.
Day's work. COST, $4,000 each

DWELLING
(520) NW GROVE AND CARLTON, Berkeley. One-story, 6-room dwlg.
Owner—R. J. Pavert, 2070 Auseon Ave., Oakland.
Architect—None.
Day's work. COST, $4,000

ALTERATION
(521) NO. 2614 WARRING, Berkeley. Alteration.
Owner—Ralph S. Minor, Premises.
Architect—None.
Contractor—Mr. Glasgow.
COST, $500

DWELLING
(522) FRUITVALE ACRES, Oakland. One-story, four-room dwelling.
Owner—D. H. Lautz, 1160 75th Ave., Oakland.
Architect—None.
Day's work. COST, $1500

WAREHOUSE
(523) NE TWENTIETH AND Peralta, Oakland. One-story brick warehouse.
Owner—Independent Paper Stock Co., Monadnock Bldg., San Francisco.
Architect—None.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
COST, $20,000

DWELLING
(524) SE LAUREL AVE AND SILVAN Way. One-story, two-room dwelling.
Owner—Mrs. Nellie Gallagher.
Architect—None.
Contractor—L. E. Van Nees, 4339, R. F. D. No. 1. Oakland.
COST, $400

SHOP
(525) E PIEDMONT AVE. 75 N Pleasant Valley, Oakland. One-story florist shop.
Owner—Henry Maccairo.
Architect—None.
Contractor—Burritt & Shealey, 427 63rd St., Oakland.
COST, $750

DWELLINGS, ETC.
(526) (A) SE CENTRAL AVE 170 NE E-Twenty-seventh NE 35.70 SE 100 SW 35.55 NW 100; (B) NE E-27th and SE Central Ave NE 100 SE 40; (C) NW Garden St. and NE E-27th NW 120 NE 100; (D) SE Garden St. 170 NE E-27th NE 35.32 SE 107.99 SW 35.78 NW 111.58; (E) NE E-27th St. 40 SE Garden SE 40xNE 100, Oakland. All work for nine one-story six-room dwellings and one one-story 5-room residence and garage.
Owner—Popular Investment Co., San Francisco.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
Filed Mar. 5, '20. Dated Mar. 5, '20.
Frames up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $32,000
Bond, $16,000. Sureties, J. F. Smith and G. A. Scott. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING
(527) SW CROCKER AND LINCOLN Aves S 106.81 W 115.03 N 104.70 E 132.95, Piedmont. All work for two-story frame dwelling.
Owner—Dr. Albert Holmes Rowe and Mildred Portor Rowe, Thomson Bldg., Oakland.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—M. E. Hopper & Son, 12 Linda Ave., Oakland.
Filed Mar. 6, '20. Dated Mar. 5, '20.
5th day of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $15,585
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

## CLEARING HOUSE REPORTS FROM CALIFORNIA CITITS.

Bank clearings as reported to California Development Board by the several clearing house cities for last week showing the amount of increase on corresponding date last year:

| | | Increase |
|---|---|---|
| San Francisco.. | $128,035,764 | $27,529,289 |
| Los Angeles.... | 63,633,000 | 29,069,000 |
| Oakland ..... | 8,582,725 | 1,911,820 |
| Sacramento .... | 3,912,938 | 1,155,966 |
| Fresno ..... | 6,237,342 | 4,440,500 |
| Stockton (b).... | 4,475,200 | ..... |
| San Jose (b).... | 4,306,045 | ..... |
| Bakersfield .... | 924,200 | 253,079 |
| Pasadena ..... | 1,843,542 | 645,245 |
| Santa Rosa..... | 328,706 | ..... |
| Long Beach..... | 1,362,125 | 1,183,092 |
| Berkeley ..... | 2,050,919 | ..... |

(b) Bank debits.

## OAKLAND BUILDING SUMMARY FOR THE MONTH OF EBERUARY, 1920.

| Classification of Buildings | No. of Permits | Costs |
|---|---|---|
| 1-story dwellings..... | 69 | $235,680 |
| 1½-story dwellings... | 5 | 16,300 |
| 2-story dwellings..... | 15 | 97,400 |
| 2-story flats..... | 1 | 10,000 |
| 2-story apartments.... | 2 | 59,000 |
| 1-story school..... | 1 | 4,000 |
| 1-story store..... | 1 | 412 |
| 1-story office..... | 1 | 200 |
| 1-story factories..... | 3 | 11,480 |
| 4-st concrete warehouse | 1 | 120,000 |
| 2-st concrete garage... | 1 | 60,000 |
| 1-st concrete garage... | 1 | 1,688 |
| 1-st concrete factory.. | 2 | 44,000 |
| 3-st brick cold storage plant ..... | 1 | 150,000 |
| 1-st brick garage..... | 2 | 31,000 |
| 1-st brick factory..... | 1 | 8,694 |
| 1-st brick benzine room | 1 | 450 |
| 1-st tile battery house. | 1 | 500 |
| 1-st garages & sheds.. | 81 | 16,401 |
| 1-st workshop..... | 1 | 250 |
| Electric signs..... | 16 | 4,130 |
| Marquee ..... | 1 | 800 |
| Foot bridge..... | 1 | 350 |
| Additions ..... | 34 | 22,065 |
| Alterations & repairs.. | 73 | 26,702 |
| Total ..... | 316 | $921,502 |

SUMMARY.

| | | |
|---|---|---|
| New construction..... | 243 | $894,800 |
| Alterations & repairs.. | 73 | 26,702 |
| Total ..... | 316 | $921,502 |

## NOTICE OF NON-RESPONSIBILITY.

### Alameda County.

Mar. 5, 1920—BLK 174 LOTS 9 AND 10 Kellersberger's Map of Oakland, Okd. The Chas Jurgens Co as to improvements on leased property.

## COMPLETION NOTICES

### Alameda County

Feb. 28, 1920—NW UNIVERSITY Ave and Milvia, 50x114, Bkly. D B Hunter to C Texdahl. Feb. 17, 1920
Mar. 2, 1920—LOT 4 BLK 3, Map Thousand Oaks, ——. E R Lamb to whom it may concern. Feb. 27, 1920
Mar. 3, 1920—W MYRTLE 130 S Seventh being No. 541-43 Seventh, Okd. V Petrantono to F C Amoroso .....March 3, 1920
March 4, 1920—NE E-FOURTEENTH St. 70 NW 39th Ave NW 25xNE 70, Oakland. Ernest J. and Jeanne Hauser to Hancock & Lydiksen.. .....March 4, 1920
March 4, 1920—ALL LOT 22, BLK. E. Map Bella Vista Park, Oakland. Henrietta A. Johnson to F. C. Stolte .....Feb. 10, 1920

## LIENS FILED.

### Alameda County

Feb. 28, 1920—LOTS 22 AND 23 BLK 2 Map No. 6, Regents Park, Albany. Russell Cooley vs A F Roblin and H Reynolds .....$488.54
Mar. 2, 1920—LOT 18 AND SE 16 Lot 17 and SE Lot 10, all Lots 11, 12, 13 and W 4 Lot 14, Map Sanford Tract, Okd. Frank Jones vs John Randall, Alameda County Title Insurance Co, Trustee for F R Hatcher, Chas M O'Brien and Geo E Graft, Trustees Mutual Building & Loan Ass'n of San Jose and College Park and C Welchoff and A L Young .....$20
Mar. 2, 1920—SE 1 LOT 10, all Lots 11, 12, 13, 14 and NW 19 Lot 15 Blk "C," Map Sanford Tract, Oakland George F Davis vs John Randall, Alameda County Title Insurance Co., trustee for F. R. Hatcher, Chas. M. O'Brien and Geo. E. Graft, trustees Mutual Building and Loan Association of San Jose and College Park, and C. Welchoff and A L Young.....$49.50
Mar. 2, 1920—SE 1 LOT 10, all Lots 11, 12, 13, 14, 15, 16 and NW 9 Lot 17 Blk "C," Map Sanford Tract, Oakland. E W Burnell vs John Randall, Alameda County Title Insurance Co. Trustee for F R Hatcher, Chas M O'Brien and Geo E Graft, Trustees Mutual Building & Loan Ass'n. of San Jose and College Park and C Welchoff and A L Young .....$43

## BUILDING CONTRACTS.

### Santa Clara County.

COTTAGE
S SIXTEENTH ST. near William, San Jose. Six-room cottage.
Owner—Gilger Reatly Co.
Architect—Chas. McKenzie, 511 Bank of San Jose Bldg., San Jose.
Day's work. COST, $5000

DWELLING
DELMAS ST. near Park, San Jose. Five-room dwelling.
Owner—C. Moore.
Architect—None.
Contractor—A. K. Burkett, 161 N-16th St., San Jose.
COST, $4000

COTTAGE
S-TWELFTH near Santa Clara, San Jose. Six-room cottage.
Owner—W. Luckhardt, 201 Palm Haven, San Jose.
Designer—F. C. Nelson.
Contractor—F. C. Nelson, 345 15th St., San Jose.
COST, $7000

BUSINESS BLOCK
NO. 330 S-FIRST ST., San Jose. Brick business block.
Owner—T. S. Montgomery, 217 S-1st St., San Jose.
Architect—Binder & Curtis, 257 S-1st St., San Jose.
Contractor—Wallace & Bush, 401 Bank of San Jose Bldg., San Jose.
COST, $10,000

ALTERATIONS
EIGHTH AND TAYLOR STS., San Jose. Alterations and additions.
Owner—Santa Clara Valley Cannery Co.
Architect—Wallace & Bush, 401 Bank of San Jose Bldg., San Jose.
Contractor—Wallace & Bush, 401 Bank of San Jose Bldg., San Jose.
COST, $12,000

ALTERATIONS
NO. 257 S-THIRD ST., San Jose. Alterations.
Owner—H. Thompson.
Architect—Wallas & Bush, 401 Bank of San Jose Bldg., San Jose.
Contractor—Wallace & Bush, 401 Bank of San Jose Bldg., San Jose.
COST, $1000

ALTERATIONS
NO. 71 VINE ST., San Jose. Alterations.
Owner—Jacob Comelle, Premises.
Architect—None.
Day's work. COST, $500

## BUILDING CONTRACTS.

### Fresno County.

FRAME DWELLING
LOT 8 BLK 7, Alta Vista Tract, Fresno. Frame dwelling and garage.
Owner—E. F. Adams, Fresno.
Architect—None.
Day's work. COST, $3500

DWELLING AND GARAGE
LOTS 2 AND 3 BLK 2, Dudley Park, Fresno. Frame dwelling and garage.
Owner—H. A. Kuehn, 1326 Van Ness, Fresno.
Architect—None.
Contractor—R. C. Kennedy.
COST, $3000

ALTERATIONS
NO. 636 PALM AVE., Fresno. Alterations.
Owner—J. E. Bretz, Fresno.
Architect—None.
Day's work. COST, $2000

FRAME DWELLING
LOT 15 BLK 2, Woodlawn, Fresno. Frame dwelling and garage.
Owner—J. Wade Hanner, Fresno.
Architect—None.
Day's work. COST, $4000

DWELLING AND GARAGE
LOTS 13 AND 14 BLK 55, East Fresno. Frame dwelling and garage.
Owner—J. C. Phelan, 710 Van Ness St., Fresno.
Architect—None.
Contractor—G. C. Clark, 672 Bond St., Fresno.
COST, $4500

GARAGE, ETC.
LOTS 1, 2, AND 3 BLK 86, Fresno. Two story and basement reinforced concrete auto sales room and garage.
Owner—L. S. Cobb & Co., 437 Forthcamp St., Fresno.
Architect—R. L. Felchin, Rowell Bldg., Fresno.
Contractor—R. L. Felchin, Rowell Bldg., Fresno.
COST, $78,000

## COMPLETION NOTICES.

### Fresno County.

Recorded Accepted
Mar. 1, 1920—LOT 8 SE ½ Lot 7 Blk 13, Reedley. Mark H Edwards to whom it may concern...Feb. 28, 1920
Mar. 1, 1920—LOTS 26, 27 AND 28 Blk 96, Fresno. M M Shooshan to whom it may concern...Feb. 28, 1920
Mar. 1, 1920—LOT 16 BLK 34, Alta Vista Tract, Fresno. S W Ottlinger to whom it may concern. Mar. 1, 1920
March 3, 1920—FRESNO SUBWAY Roof, Fresno. S. P. Company to whom it may concern ..Feb. 26, 1920

## FRESNO BUILDING TOTALS.

The following is a report of the building operations in the city of Fresno for the month of February, 1920:

| | |
|---|---|
| New Buildings, permits, 152..$ | 594,200 |
| Total for year..... | 1,352,705 |
| Alterations and repairs, permits, 56 ..... | 39,459 |
| Total for year ..... | 156,494 |

## BUILDING CONTRACTS.

### Sacramento County.

APARTMENTS
NO. 2620 "I" ST., Sacramento. Two-story frame (8 4-room) apartments.
Owner—Kohler Estate, 2630 "I" St., Sacramento.
Architect—None.
Contractor—F. A. Holdener, 2310 "J" St., Sacramento.
COST, $21,000

DWELLINGS
NOS. 310 AND 314 TWENTY-THIRD St., Sacramento. Two one-story 7-room frame dwellings.
Owner—I. W. Greer, 708 "J" St., Sacramento.
Architect—None.
Day's work. COST, $4000 each

CORRUGATED IRON BLDGS.
STOCKTON BLVD, 35th and 37th Sts., Sacramento. Three corrugated iron buildings.
Owner—Standard Oil, "R" and Stockton Blvd., Sacramento.
Architect—None.
Day's work. COST, $15,000

GARAGE, ETC.
STOCKTON BLVD. 35th and 37th Sts., Sacramento. One-story private garage, boiler house and pump house.
Owner—Standard Oil Co., "R" St. and Stockton Blvd., Sacramento.
Architect—None.
Day's work. COST, $15,000

ALTERATIONS
NO. 812 "D" ST., (rear), Sacramento. Lay foundation and raise dwelling.
Owner—Joe Romano, 914 'D" St., Sacramento.
Architect—None.
Contractor—P. Leoni, 1415 "P" St., Sacramento.
COST, $1000

REPAIRS
NO. 812 "D" ST., Scaramento. Repair and lay foundation.
Owner—Mr. Harrison, 330 14th St., Sacramento.
Architect—None.
Contractor—P. Leoni, 1415 "P" St., Sacramento.
COST, $1500

ALTERATIONS
NO. 1222 "D" ST., Sacramento. Remodel dwelling and lay foundation.
Owner—J. Levolasiti, Premises.
Architect—None.
Contractor—P. Leoni, 1415 "P" St., Sacramento.
COST, $1500

ALTERATIONS
NO. 601 'K" ST., Sacramento. Remodel front and interior of brick store.
Owner—Joseph Estate, San Francisco.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento.
COST, $1500

REPAIRS
NO. 1916 TWENTY-FIRST ST., Sacramento. General repairs.
Owner—J. Duffee, 1440 40th St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento.
COST, $2500

REMODEL
NO. 1010 SEVENTH ST., Sacramento. Remodel building.
Owner—C. Krebs, 626 "J" St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento. COST, $9000

REMODEL BLDG.
NO. 1231 FRONT ST., Sacramento. Remodel building.
Owner—Crane Co., 1227-31 Front St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento.
COST, $3500

GARAGE
NO. 411 "W" ST. (rear), Sacramento. Corrugated garage. gated garage.
Owner—Wood-Curtis Co., 117 'J" St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento.
COST, $5000

DWELLING
NO. 1134 FORTY-FIRST ST., Sacramento. One-story 5-room frame dwelling and garage.
Owner—C. F. Nehrbass, 227 "P" St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 "T" St., Sacramento.
COST, $6400

OIL TANK, ETC.
NO. 808 'K" ST., Sacramento. Innstall oil tank and marquee.
Owner—G. Cowen, 818 'J" St., Sacramento.
Architect—None.
Contractor—Macdonald & Kahn, Rialto Bldg., San Francisco.
COST, $1600

DWELLING
NO. 2164 THIRTY-FOURTH ST., Sacramento. One-story 5-room dwelling
Owner—W. B. Phillips, 4139 4th Ave., Sacramento.
Architect—None.
Day's work COST, $3000

SHOP
NO. 1913 "J" ST., (rear), Sacramento. Shop.
Owner—J. Weden, Premises.
Architect—None.
Day's work. COST, $1500

PLANING MILL
NO. 2317 "R" ST., Sacramento. Planing mill.
Owner—Burnett & Sons, "R" St. near 23rd St., Sacramento.
Architect—None.
Day's work. COST, $2500

REMODEL
NO. 900 "J" ST., Sacramento. Remodel store.
Owner—Ruhetaller Estate, Sacramento.
Architect—None.
Contractor—E. W. Book, 2912 "G" St., Sacramento.
COST, $1200

WAREHOUSE
E 60 FT. LOT 4, "R," "S," 10TH & 11TH, Sacramento. One-story concrete and brick warehouse.
Owner—Mrs. F. E. and Andrew Carlan, 10th St., cor. "R," Sacramento.
Lessee—United States Rubber Co., 50 Fremont St., San Francisco.
Architect—None.
Contractor—Wm. Murcell, Ochsner Bldg., Sacramento.
Filed Jan 27, '20. Dated Jan. 26, '20.
COST, $20,900

## BUILDING CONTRACTS.

### San Joaquin County.

SERVICE STATION
HARRISON ST. AND WEBER AVE., Stockton. Service Station.
Owner—Associated Oil Co., 628 North Weber Ave., Stockton.
Architect—None.
Day's work. COST, $2000

## BUILDING CONTRACTS.

### San Joaquin County.

RESIDENCE & GARAGE
LEXINGTON AVE., Lomita Park, Stockton. Frame residence and garage.
Owner—F. E. Toby, Stockton.
Architect—None.
Day's work. COST, $4150

## NEW HOTEL CHARGES $8,000 FOR ONE ROOM.

NEW YORK.—Page Attorney General Palmer, political warrior extraordinary against the high cost of everything—living and luxury included. There's a job coming off for him in little, old money-spending, pleasure-mad New York. If he doesn't want to tackle it, he might at least comment, point a moral and adorn this true tale.

The Ambassador Hotel System, its offices here, Monday announced that its new Ambassador Hotel, Fifth and Park avenue which is being erected at a cost of $10,000,000 and which will be ready for occupancy by October 1st, already has been "sold out," such is the demand by prospective permanent occupants of its more than six hundred rooms.

Considering the fact that the cheapest room in the new hotel will rent for $3,500, if taken by the year, the deduction is drawn by the hotel wise men that its not so much the high cost of living as it is the American public's demand for the costly things of life that is putting so much money into circulation.

The schedule of rates at this hotel it is said will be the highest in the entire country for any service. The highest price for a single room by the year will be about $8,000. For three-room apartments annually, the figure will be from $12,000 to $18,000; five-room apartments, $18,000 to $20,000; seven-room apartments, $25,000 to $30,000.

## SALESMANSHIP.

James Lynch, prominent business man of San Francisco and former president of the Rotary Club, will open a course of lectures on salesmanship under the auspices of the Extension Division of the University of California on Friday evening, March 12th at 7:30 in Room 237 Merchants' Exchange Building, California street.

Lynch has conducted the most successful courses in University Extension work ever given in San Francisco, and the Extension Division Office, 140 Kearny street, reports that a number of registrations have already been received for the course.

The training in salesmanship given by Lynch is on practical lines, based on his long experience in business.

## CODE OF PRACTICE FOR BIDDING.

A code of practice to govern the taking of bids and letting of contracts has been prepared by a joint committee representing the Master Builders' Association of St. Louns and the St. Louis chapter of the American Institute of Architects. While conforming in the main to provisions of similar codes adopted in other cities it differs in some respects and is remarkable for its brevity and succinctness. Following is the code:

1. Whenever possible, bids should be opened at a fixed hour and specified place, and should be made known to all bidders as promptly as possible.

2. Invitations to submit proposals should be confined to contractors with whom the owner or architects will enter into contract for the performance of the proposed work. The lowest bidder invited is entitled and should be awarded the contract for the work bid on.

3. Bids should be submitted on plans and specifications, and addendas, provided by the Architect. Addendas should be given all bidders in ample time to permit them to make necessary revisions in their estimates.

4. When sub-bids are to be taken by the architects or owner, all bidders should be advised thereof at the time they are invited to submit estimates.

5. When a contractor is invited to submit an estimate, and he is unable or unwilling to compete for the proposed work, he should immediately notify the architect to that effect, and should not submit a borrowed or accommodation bid. Sush methods are considered unfair to the architect and are condemned as bad practice.

6. When the lowest bid is rejected, it should be considered unfair to offer the contract to a higher bidder, or any other contractor, at the rejected bidder's price.

7. All bidders are entitled to and should receive a list of such contractors as are invited to submit estimates.

The Master Builder's Committe further suggests that some plan should be devised whereby the contractors invited to bid shall be reimbursed for the cost of their services.

## REVIEW OF FAR EASTERN COMMERCIAL PRESS.

[Compiled from clippings made by the Far Eastern Division, Bureau of Foreign and Domestic Commerce.]

### Chinese Mint to be Established in Shanghai.

It is understood by the China Press that the Government has decided to establish the head mint of China at Shanghai, under the control of the currency commission, which has appointed a committee to purchase the ground and make the necessary arrangements.

### Aerial Postal Delivery in India.

An issue of Shipping and Engineering announces that the Bombay-Karachi aerial postal service is now in operation, using three-passenger de Havilland machines, carrying 1,000 pounds of mail and other baggage. Mails are delivered in Karachi on the day of their arrival in Bombay, and outward mails are dispatched on the day steamers are due to leave.

### Shipbuilding in Japan.

It appears, says the Japan Weekly Chronicle, that unlike shipping, the shipbuilding industry of Japan is comparatively well off, owing to the high prices brought of late by new vessels. In 1919, 124 ships of 1,000 tons or over were launched before November 30, and those launched since that time, or soon to be put into the water, will bring the year's total of ships built up to 150, and the tonnage to approximately 700,000.

### Rural Chamber of Commerce in Japan.

The Japan Weekly Chronicle characterizes the contemplated establishment of a chamber of commerce in the Hanshin district of Japan, as a remarkable development and quite a new departure in Japan, so far as rural districts are concerned. The increasing number of factories and commercial firms has resulted in the chiefs of the villages and towns considering the establishment of a sort of chamber of commerce, with a view to conducting various investigations and also protecting the suburban interests, independently of Osaka or Kobe.

### American Corporation to Build Hotels in the Orient.

Yokohama is to have an up-to-date hotel, according to an announcement in the Japan Advertiser. It will be equipped with electric elevators, baths with each room, private dining rooms, card rooms, hot-water heat, manicures, barbers, and all the other modern conveniences. An American comporation has been formed for the purpose of constructing large hotels in the Far East, and is planning, in addition to the one in Yokohama, to establish them in Shanghai, Hongkong, Manila, and Singapore.

## FEBRUARY BUILDING SUMMARY.

Building operations for the month of February, 1920, as shown by the records of the Bureau of Building Inspection of the Board of Public Works are classified as follows:

| Class | No.. | Amount |
|---|---|---|
| "B" | 2 | $ 103,500 |
| "C" | 12 | 330,975 |
| Frames | 84 | 535,260 |
| Alterations | 438 | 339,820 |
| Harbor | 1 | 38,717 |
| State | 1 | 1,300,000 |
| Total | 538 | $2,648,272 |

Covering the same period during the year 1919, the totals were 281 permits at $355,377.

## NAPA TO IMPROVE STREETS UNDER DIRECT ASSESSMENT PLAN.

NAPA, Napa Co., Cal.—The City Council is planning the improvement of all streets connecting with the State Highway under the direct assessment plan. A bond issue for $150,000 recently held for this purpose failed to carry. A report on the proposed plan will be submitted to the Council by City Engineer Harrold.

## NATIONAL ASSOCIATION OF OWNERS OF RAILROAD SECURITIES.

(Continued from page 4)

the earnings of one railroad to give to another railroad"?

"It does not. If a railroad earns more than 6 per cent, the section provides for a division of the excess between that road and the Government for expenditure in the shippers' interest: This division is half and half. This fund is to be expended under governmental authority for transportation facilities to be leased to all railroads."

"Why is the regulation of excess earnings necessary"?

"Certain individual roads are earning and will always earn excessive returns on any rate structure which is essential to the life of the majority of the railroads. A very large number of railroads cannot possibly survive under present conditions. Many are not paying operating expenses. As a whole they are earning about half their standard rental. To enable the Commission to adjust rates so that they can live after the surrender of Federal control, this excess must be dealt with. There is no other way. A 10 per cent increase in the western district where the roads as a whole are earning only 60 per cent of their standard rental would give one road 180 per cent of its standard rental, whereas others would not receive the half of it; 20 per cent increase would give it 215 per cent. Hence rates cannot be adjusted to these circumstances without the regulation of excess earnings."

"Why is Section 6 absolutely necessary for the railroads and not for other business?"

"The railroads are like no other business. They are regulated in every particular. Their securities, upon the sale of which their business depends, are now to be regulated. As they are tied hand and foot, their 'food supply' must therefore be reasonably assured (but not guaranteed) on some minimum basis by the agency that ties them—Congress. They are prohibited from applying, according to their own judgment, the first law of business survival—that their product must be sold for a reasonable margin above cost. The Government names the price at which the railroads shall sell their product and has declined to permit such price to be raised from time to time although Congress has actually added, by law, to the cost of producing transportation, which is what the railroads sell.

"Private business is not a public service, and does not operate under a public franchise. There is no similarity in any respect."

"How will Section 6 tend to establish credit for the railroads?"

"While Section 6 will not produce more than the minimum return necessary for the essential roads as a whole to survive, it will introduce an element of certainty heretofore lacking. Heretofore a road has invited loans or investment without knowing what rate level would prevail (whether the destructive 4 per cent level of 1914 or the more liberal level of 1916).

"Under Section 6 an individual railroad which would earn 2 per cent or 3 per cent or 4 per cent or 5 per cent on the fair value of its property would have some reasonable assurance that it will have a chance to earn its reasonable share of the total earnings of the group, if it exercises diligence and efficiency. What a railroad would earn under a rate level established for a group of roads depends entirely upon its efficiency in management and operation. Each railroad will be able to establish a standard of earning power for itself, subject to increase with increasing efficiency, this standard the investor and public will very soon understand. Under present laws the majority of the railroads would have nothing on which to finance themselves."

"In providing for the making or adjustment of rates, does Section 6 directly provide any return on or give any consideration whatever to securities, whether stocks or bonds, or give value to watered securities?"

"It does not. Section 6 is based exclusively on value and not on the amount of securities outstanding. The accounts of the railroads are now kept under the Commission's jurisdiction, and the Commission is able to determine with reasonable certainty the values of these properties for rate making purposes. Since securities are not considered in the valuations made, no watered securities, if there are such, can enter into the fixing of rates."

"Have the principles of Section 6 been approved by disinterested students of the railroad problem?"

"Yes, the principles of Section 6 are said to be indispensable by Interstate Commerce Commissioner Edgar E. Clark, Judge C. A. Prouty, Director of Valuation of Railroads, and Mr. Walker D. Hines, Director-General of Railroads."

"Would a general rule for rate making meet the situation—such, for instance, as a mere requirement that the Commission take into consideration the cost of labor, materials, etc?"

"It would not. The life insurance companies, savings banks and other fiduciary institutions which have been the permanent investors in railway securities, and the conservative banking institutions, which must be relied on to finance and give credit to the railroads, know that mere general phrases of that character add no element of assurance. Commissioner Clark asserted that such phrases will not change the method of the past. The method of the past has been that relief could only be had through a law suit. Investors will not finance a railroad on a law suit. In other words, the fixed percentage return, from rates, applied to aggregate value, supplies a basis for credit without which the railroads cannot be financed."

"Is Section 6 of the Senate Bill the only provision affording the minimum assurance necessary to the survival of the railroads without Government ownership?"

"It is."

## NEW BRITISH SYSTEM OF CONCRETE HOUSE CONSTRUCTION.

[Consul Calvin M. Hitch, Nottingham, Jan. 15, 1920.]

The high cost of brick, builders' hardware, lumber, and skilled labor is presenting a serious problem to the British Government and the municipalities throughout the Kingdom which have undertaken the construction of large numbers of working-class houses. It is estimated that the average cost of each house, exclusive of the land, will be something like $4,000, and, valuing the land at $500, the total cost of these six and seven room houses will be about $4,500 each.

Great interest has recently been aroused among those interested in the housing question by the announcement of a prominent Nottingham firm of an invention for the construction of reinforced concrete houses for about one-half the cost of other houses. Since the announcement was made demonstrations have taken place in the presence of prominent citizens, and it is said that all of them were delighted with the scheme and the prospect of reducing the present high cost of building. According to newspaper reports, housing committees from Manchester, Liverpool, Bradford, Bolton, Scarborough, Skipton, Llandudno, Stalybridge, and Burton-on-Trent have been negotiating with a view to adopting this plan as a solution of the housing difficulties.

The chief points claimed by the inventors are low cost of construction, rapidity of construction (two weeks being estimated for the building of an eight-room house), no skilled labor, and fireproof structures. A detailed statement of the plan and blue prints have been furnished by the inventors [and may be inspected at the district offices of the Bureau of Foreign and Domestic Commerce upon refering to file No. 2428.]

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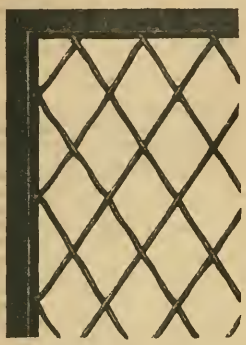

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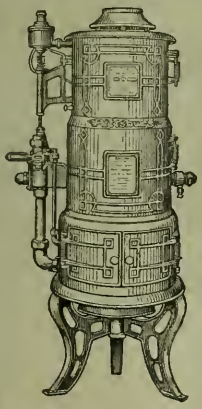

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## A. A. E. Second Railroad Conference Program.

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## NATIONAL HEADQUARTERS

63 East Adams St. Chicago, Ill.

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**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

Chapter Office 700 Marston Building 244 Kearny St., San Francisco

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J. P. FARRELL.....Exchange Editor

# American Association of Engineers

## NEWS FROM NATIONAL HEADQUARTERS.

At least 50 per cent of the 52 railroad sections of the American Association of Engineers will send delegates to the second annual railroad conference to be held in the Congress Hotel, Chicago, on March 15. The total membership of the railroad sections of the association is in excess of four thousand. The seven largest sections in point of membership are the Pennsylvania, the New York Central, the Chicago, Burlington & Quincy, the Southern, the Baltimore & Ohio, the Chicago & Northwestern and the Illinois Central. Among the speakers and subjects are:

"Plans for A. A. E.'s Future Railroad Work," by G. W. Hand, chief engineer of the Northwestern Railway. Discussion by J. B. Jenkins, valuation engineer of the Baltimore & Ohio, and F. E. Morrow, Chief engineer of the Chicago & Western Indiana.

"A. A. E. Railroad Salary Schedule," by W. C. Bolin of the association railroad committee. Discussion by R. W. Barnes, principal assistant engineer of the Southern Pacific, C. F. Bower, president of the Burlington Lines East Railroad Section, A. M. Knowles, president of the Erie Railroad Section, O. R. West, president of the Santa Fe Coast Lines Section.

"Railroad Eections: Their Organization and Function." The speaker is not selected.

"Railroad Sections: Their Organizato the Railroad Management," by F. C. Huffman, president of the Chicago & Northwestern Railroad Section.

"Railroad Sections: Their Relation to the Chapters," by Paul Augustinus, past president of the Chicago Chapter.

These subjects will be presented at the afternoon session, of which J. R. Leighty, chief engineer of the Missouri Pacific, will be chairman. The morning session, which will be in charge of W. W. K. Sparrow, assistant chief engineer of the Milwaukee, will be devoted to registration, reports, and a resume of the accomplishments of the association in railroad work during 1919 by D. A. Tomlinson.

At the evening session, at which W. H. Hoyt, chief engineer of the Duluth, Missabe & Northern Railroad, will preside, Doctor F. H. Newell, president of the association, will speak on the "Amsrican Association of Engineers—Its Aims and Ideals." Other speakers at the even'ng session will be Arthur S. Tuttle, chairman, Bion J. Arnold and Oscar C. Merrill, members of a committee to represent Engineering Council.

The Trenton (New Jersey) Club of the American Association of Engineers was organized on February 20 at the Trenton Engineers' Club. Officers were elected as follows: President, H. D. Robbins, division engineer, State Highway Department; vice-president, G. R. Moore, assistant division engineer, State Highway Department; secretary, R. R. Pope, resident engineer, State Highway Department; and treasurer, A. G. Nicolaysen, State Board of Taxes and Assessments.

Resolutions were adopted urging Congress to support and make effective the reclassification recommended by the Keating Commission, asking the Senate conferees on the Water Power Bill to recede from the Senate amndment providing that the secretary of the Water Power Commission be an army engineer, and encouraging the House conferees to stand behind the original provisions of the bill, and urging the Congressional committees considering the Jones-Reavis Bill, providing for a national department of public works to approve the bill.

The Bismarck (North Dakota) Chapter of the American Association of Engineers was organized on February 20 with J. E. Kaufuss, assistant chief engineer of the North Dakota Highway Commission, president; B. H. Long, vice-president; G. F. Ludvigsen, assistant engineer, North Dakota Highway Commission, secretary; W. T. Stratton, consulting engineer, North Dakota Railroad Commission, treasurer. The usual committees were appointed, including one on licensing.

The Ohio State Assembly of the American Association of Engineers, composed of the eight chapters and two clubs of the Association of that State, adopted a constitution at its second meeting in Columbus on February 20.

The following officers were elected: C. R. Rood of Toledo, president; J. E. Root of Akron, first vice-president; E. K. Ruth of Cincinnati, second vice-president, and W. L. Mattoon of Columbus, secretary-treasurer.

The Cambridge (Ohio) Club of the American Association of Engineers held a novel and interesting banquet and meeting on February 25. Among the speakers were Francis E. Sheehan, superintendent of the Cambridge Filter Plant; E. C. Murray, general superintendent of the National Coal Company; W. A. Fancett, division engineer of the State Highway Department; A. R. McCulloch, chairman of the advisory board of the State Highway Department; District Secretary F. E. N. Thatcher of Pittsburgh; and H. J. Shaw, division engineer of the Marietta division of the Pennsylvania Railroad.

The membership of the American Association of Engineers at the end of February was 13,081. On that date 5,635 applications for membership were pending.

The South Dakota Chapter of the American Association of Engineers, at its meeting at Pierre on March 1, elected Frank S. Peck, state highway engineer, president, and Assistant Highway Engineer C. J. Loomer, secretary.

The American Association of Engineers has granted club certificates at Decatur, Illinois, and Anchorage, Alaska.

### Last Minute News.

S. M. Felton, president of the Chicago Great Western Railroad, will speak at the evening session of the second annual Railroad Conference of the American Association of Engineers at the Congress Hotel in Chicago on March 15. Mr. Felton's subject will be "Problems of the Railroad Since Their Return to Private Control."

The Albany (New York) Chapter of the American Association of Engineers has elected O. F. Rowland, president; R. N. Barrett, secretary; and R. E. Hartmann, treasurer. Six vice-presidents were elected.

The first action of the chapter after organization was a resolution supporting the Jones-Reavis Bill, which is to be forwarded to the representatives of the chapter in Congress. The membership of the chapter increased 25 per cent within eighteen hours after the meeting.

## AMERICAN ENGINEERS ESTABLISH SOUTH AMERICAN BRANCH.

Colonel C. H. Crawford, manager of the Baldwin Locomotive Works, Rio de Janeiro, will be the South American representative of the American Association of Engineers after May 11th, 1920.

V. D. COUSINS,
For American Association of Engrs.

# OFFICIAL NOTICE.

AMERICAN ASSOCIATION OF ENGINEERS
National Headquarters
63 East Adams St., Chicago, Ill.

**SECOND RAILROAD CONFERENCE**

Congress Hotel, Chicago, Ill.

**Monday, March 15, 1920.**

Our first Railroad Conference, held at the same place a year ago, was a great success and laid the foundation of all A. A. E.'s subsequent railroad work. This conference will pave the way for still greater railroad activity. Subjects of vital interest to all professional engineers in railroad service will be presented. You should hear these addresses and take part in these discussions. Be sure to attend.

The tentative program of this Conference is given further on in this announcement. All the details have not yet been definitely arranged and the program may be modified slightly. A special bulletin on this conference will be sent to all chapters, clubs and railroad sections about March 10; watch for it. Every railroad engineer should be there.

The Railway Show will be held that week at the Coliseum. The Convention of the Railway Signal Association will be held the same day, and the convention of the American Railway Engineering Association will begin the following day, both being held also at the Congress Hotel.

If you plan to stay over night, make your hotel reservations now, because all hotels in Chicago are crowded. The Congress Hotel will be the most convenient. Other good hotels are the La Salle, Sherman House and Auditorium. The Y. M. C. A. Hotel is near the Congress and has many inexpensive rooms.

**Tentative Program for the SECOND RAILROAD CONFERENCE Florentine Room, Congress Hotel, Chicago, Illinois**

MONDAY, MARCH 15, 1920.

**Morning Session, 9 a. m.**

Chairman, W. W. K. Sparrow, Assistant chief engineer, C., M. & St. P. R. R.

Registration begins at 9 a. m.

Meeting called to order at 10 a. m.

Reading of summarized minutes of First Railroad Conference.

Reports of Railroad Sections. The report of each section will be presented by its official representative. All matters which the Railroad Sections wish to bring before the Conference should be presented at this time.

Report on Eastern Region Conference at Washington. W. L. Brown, Lackawanna R. R. Section.

Discussion of reports, led by W. L. Darden, President Seaboard Air Line Section; E. R. Taylor, N. Y. C. & St. L. Section; A. H. Utter, Secretary C. B. & Q. Lines West Section.

A. A. E.'s Work in the Railroad Field During 1919. D. A. Tomlinson, A. A. E. Railroad Committee.

Discussion, led by F. K. Bennett, President Twin City Chapter, and Lef Winship, Mo. Pac. R. R. Section.

Adjourn 12:30 or 1 p. m.

**Afternoon Session, 2 p. m.**

Chairman, J. R. Leighty, Chief Engineer, Mo. Pac. R. R.

Plans for A. A. E.'s Future Railroad Work. G. W. Hand, Chairman A. A. E. Railroad Committee.

Discussion, led by J. B. Jenkins, President B. & O. R. R. Section, and F. E. Morrow, President C. & W. I R. R. Section.

Railroad Sections: Their Organization and Functions. (To be presented by an officer of the Pennsylvania Railroad Section.)

Railroad Sections: Their Relation to the R. R. Management. F. C. Huffman, President C. & N. W. R. R. Section.

Railroad Sections: Their Relation to the Chapters. Paul Augustinus, Past President Chicago Chapter.

Discussion, led by W. B. Crenshaw, President Southern R. R. Section; Wm. J. H. Strong, President Chicago Chapter; F. P. Patenall, B. & O. R. R. Section.

A. A. E. Railroad Salary Schedule. W. C. Bolin, A. A. E. Railroad Committee.

Discussion, led by R. W. Barnes, So. Pacific R. R. Section; C. F. Bower, President C., B. & Q. Lines East Section; A. M. Knowles, President Erie R. R. Section; O. R. West, President A., T. & S. F. Coast Lines Section.

Adjourn, 6:30 or 7 p. m.

**Evening Session, 8 p. m.**

Chairman Wm. H. Hoyt, Chief Engineer, D., M. & N. R. R.

Classification and Compensation of Engineers. Arthur S. Tuttle, Deputy Chief Engineer, Board of Estimate and Apportionment, New York City, Chairman; Col. Bion J. Arnold, Consulting Engineer, Chicago; Oscar C. Merrill, Chief Engineer, U. S. Forest Service, Washington; Members Engineering Council's Committee on the Subject.

The American Association of Engineers—Its Aims and Ideals. Dr. F. H. Newell, President A. A. E.

C. E. DRAYER,
Secretary.

**SAN FRANCISCO CHAPTER.**

San Francisco, March 3, 1920.

Board of Direotors,
American Association of Engineers,
San Francisco Chapter, S. F. Cal.

Gentlemen:

I am presenting for your consideration a proposal to modify the rules of procedure under which our chapter meetings are now being governed. You have, no doubt, observed at recent meetings the following conditions:

1. A large portion of the available time has been devoted to entertaining the members by some speaker on subjects somewhat foreign to the purpose of our association. These lectures have been interesting, however, and should possibly be continued in some manner as not to disrupt the business meetings.

2. There is a tendency of a part of the members to make amendments to amendments, thereby delaying parliamentary procedure and preventing the consideration of more important matters.

3. The reports of committee chairmen vary from zero report to long-winded generalizations, which, while valuable to the Board of Directors are not of considerable interest to the membership.

4. Members persist in asking questions which could be better answered by an individual member of the Bbard of Directors, at some other time than at the meeting.

5 Resolutions are adopted at every meeting over the head, as it were, of the Board of Directors, and often without consideration being given to the results. I might almost say that democracy prevails to a greater degree than required.

May I suggest for your consideration, that it would be wise to hold one social meeting per month and one business meeting per month, and that outside speakers be present at the social meeting.

I am listing below a number of subjects which the American Association of Engineers could well afford to investigate and pass judgment upon.

1. The National Automobile Association should be enlisted in our efforts to secure satisfactory compensation for highway engineers, because the automobile men are the ones particularly interested in seeing the state funds and national funds actually put into the roads.

2. We should debate the American plan in industry and endorse it and forward to national headquarters, and attempt to secure their endorsement of the plan.

3. There are many would be inventors in the United States who are contributing to the financial welfare of many patent attorneys. Engineers are seldom consulted by these inventors before or after patents are obtained. Our association might be able to work out a plan for permitting inventors to consult our members prior to making patent applications, thus saving many patent fees on one hand and encouraging the use of engineering services on the other hand.

4. There are various rate cases pending before our State Railway Commission in which utilities have asked for increased rates in order to compensate for the loss in the value of the dollar. Such increases are not going to be very popular, but are absolutely necessary. As citizens we express our opinions about justice of railway decisions. As engineers, we should express the united opinions as to the necessity of these rate increases.

5. Until such time as we have obtained the services of a full time secretary, I think it would be desirable to pay our present secretary some compensation for the many hours overtime he devotes to the association work.

6. We should follow up our plan of corresponding with the chief engineers of this community and endeavor to secure their application for membership in our association.

7. The present problem of financing the Hetch Hetchy construction should interest our association, and we might well go on record as favoring the financial plan, if legal, so as to avoid delaying this work.

8. We should endorse the plans for preventing suffering due to the shortage of water expected in 1920.

9. We should endorse the activities of the Government and private individuals in their efforts to promote thrift and increased production as a means of reducing the present price level.

10. We should consider the matter of immigration laws and its effect on instate some of the ways in which this is accomplished.

dustry and economics, and forward resolutions covering our ideas on the matter of an increase or restriction of immigration.

11. We should discuss the alleged pilfering of the municipal depreciation funds which has occurred on various occasions.

12. Our chapter includes engineers from all points around the bay and should attempt to secure some uniformity of opinion on the relative merits of Alameda and San Francisco as a naval base.

13. Some discussion might well be heard on the Spring Valley purchase plan.

14. The growing transportation problems in the bay cities should be given some attention by our association.

15. We should secure speakers competent to inform us regarding possibilities of erecting a trans-bay bridge.

16. There are many safety problems in our midst, of which our members are cognizant, and which might be solved by the action of our chapter.

17. Our chapter should interest itself in local Americanization work.

18. The proposal in Congress to establish a free trade zone in San Francisco should be debated and some opinion formulated as to the advisability of this plan.

19. We should invite the State Highway Engineer to discuss the state highway plans before our chapter.

18. We should debate and formulate resolutions endorsing or disapproving Senate Bill No. 3792 on the question of universal military training.

The foregoing subjects will attract members to the meetings and will result in wide and favorable publicity being given to the American Association of Engineers.

Furthermore, it is our duty as citizens with technical training to advise our neighbors on matters of this kind, and we should take steps to become informed as to the merits of each of the foregoing propositions.

It is doubtful, if, however, we can progress very far along these lines until we reduce the amount of small business carried on in our meetings, or increase the number of meetings per month.

I am, Yours very truly,
V. D. COUSINS,
Telephone Engineer.

## ENGINEERS HEAR MR. MINER CHIPMAN.

Thursday evening, March 4th, the American Association of Engineers was addressed by Mr. Miner Chipman on the subject, "The Engineer as an Executive."

The message of this great industrial engineer to the four hundred members of the local profession was the most inspiring one ever delivered before a technical body. Incident after incident was cited to demonstrate the opinion of the speaker that engineers make the best executives when given full power by the directors to act. He predicted that the future leaders in the manufacture and sale of goods would come from the ranks of the professional engineers. The day of the practical business man is closing, to be followed by the day of the scientist, who is, in reality, the most practical man in the world, because he accepts greater hazards in attempting new projects with a confidence born of a knowledge of his power in controlling the great force of nature.

V. D. COUSINS,
For American Association of Engrs.

## ENGINEERS ENDORSE HETCH HETCHY PLANS.

The American Association of Engineers adopted resolutions unanimously urging the continuance of the work on the Hetch Hetchy project.

Copies will be forwarded to the forwarded to the Mayor and the Board of Supervisors. This Association numbers over four hundred professional engineers of all specialties, and its vote of confidence in the work of the City Engineer, and its offer of co-operation should assure the public that our greatest municipal project will proceed in an orderly and efficient manner.

V. D. COUSINS,
For American Association of Engrs.

### A Resolution Relative to the Hetch Hetchy Project by the American Association of Engineers.

Whereas, The American Association of Engineers, San Francisco Chapter, note with necessary concern the threatened cessation of work on the Hetch Hetchy project, with the possibilities of a breakdown on the morale and efficiency of the present construction organization, with an attending economic loss to the City of San Francisco.

Whereas, The Hetch Hetchy project, a colossal engineering feat, has been made possible only after a hard, long, bitter fight, still fresh in the minds of not a few, against corporative and political interests, and by the people of San Francisco, who have provided the necessary financial means and machinery by a vote of a large plurality. It is, therefore, a duty to the people as well as an obligation to those public spirited citizens whose efforts have made this great municipal water system possible, that the completion of the project be expedited, so that the present generation shall derive some of its benefits.

Whereas, The logical program to follow is doubtless to cumplete as rapidly as possible the development of the preliminary works, in order to reach that phase of the project that will promise some income to the municipality.

Whereas, The uncertainty of an adequate water supply and of a sufficient potential hydro-electric power supply have been, and are, at the present time determining factors in the loss to the San Francisco Bay District of extensive and important industrial activities.

Therefore, Be It Resolved, That the San Francisco Chapter of the American Association of Engineers recognize and appreciate in the highest degree, the great accomplishments, involving no little engineering skill, and the splendid efficient organization of the City Engineer and his assistants in the prosecution of the work of the Hetch Hetchy system, and that the work now being done by force account, under the jurisdiction of the City Engineer is resulting in a considerable saving to the City of San Francisco, we, therefore, offer the City Engineer of San Francisco, our full support and confidence in the present crisis.

Resolved, That the present financial crisis of the Hetch Hetchy project demands immediate, definite and decisive action by the Board of Supervisors that will insure no delays in the development of the project which is urgently needed by the people of San Francisco.

Resolved, That the action by the Mayor of San Francisco in the present Hetch Hetchy crisis is hereby endorsed.

Resolved, That a copy of these resolutions be transmitted to the Mayor, the Board of Supervisors, to the City Engineer and the City Attorney.

Unanimously adopted March 4, 1920.

## ENGINEERS SELECTED FOR PLAINSBURG IRRIGATION DISTRICT, MERCED COUNTY.

At the regular meeting of the Board of Directors, held on Tuesday, March 2, the firm of Olmsted and Gillelan of Los Angeles and San Francisco, were engaged to make the engineering examinations looking to the development of the Plainsburg Irrigation District. The district considers itself fortunate in being able to retain such a widely experienced engineering firm.

Olmstead & Gillelan's experience along irrigation lines has been extremely wide and varied. With the organization at their disposal there is no branch of irrigation engineering that they are not eminently equipped to handle. Their experience in Southern California in the installation of irrigation systems where pumps and wells are the sources of supply and pipe lines the distributing medium, will be of great value to this district.

The senior member of the firm, Mr. Olmstead, has just completed a report for the Department of the Interior on the flood control and irrigation development of the Gila River in New Mexico and Arizona. This work was done under the direct appointment of Franklin K. Lane.

It is expected that these engineers will start the field work in the Plansburg Irrigation District in the near future.

## HUMAN ENGINEERING.

By William S. Wotiner,
President San Francisco Chapter, A. A. E.

The engineer has always been considered as a man dealing primarily with the strength of materials as opposed to the forces of nature. His field has been assumed to be the designing of structures and similar work that must withstand the test of time and the elements, and without doubt the engineering profession has taken this as representing its complete function, or at least a very large part of its complete function. The engineer who dealt with the human problem was first the minister of religion and the teacher. Later, when it began to be recognized that this in itself was a specialized field, the volunteer social service worker sprung into being and as the

(Continued on Page 23)

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES.

Contract Awarded.
APARTMENTS Cost, $15,685
BERKELEY, Alameda Co., Cal. Le Roy near Buena Vista.
Two-story frame apartments (4 3-room apts.)
Owner—Miss Marie Boutin, 1547 Le Roy, Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Verne Dildine, 484 63rd St., Oakland

Plans Being Prepared.
APARTMENTS Cost, $85,000
SAN FRANCISCO. Western Addition.
Three-story frame apartment house (42 2 and 3 room apts.)
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Plans Being Prepared. Ready for Figures in About a Week.
APARTMENTS Cost, $120,000
SAN FRANCISCO. Geary Street bet. 16th and 17th Avenues.
Six two-story and basement frame and plaster apartment houses, 4 apts. in each building of 4 and 5 rooms.
Owner—A. Haase, 431 Folsom St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

### BANKS

Contract Awarded.
BANK BUILDING Cost, $72,000
SANTA ROSA, Sonoma Co., Cal.
One-story reinforced concrete and terra cotta bank building.
Owner—Savings Bank of Santa Rosa, 4th and Exchange Sts., Santa Rosa.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—Chas. W. Heyer Jr., 504 Wells Fargo Bldg., San Francisco.

Contract to be Awarded.
BANK BUILDING Cost, $18,435
COLMA, San Mateo Co., Cal.
One-story reinforced concrete bank building.
Owner—Colma State Bank.
Architect—Paul F De Martini, 2123 Powell St., San Francisco.
Low Bidder—Louis Cereghino, 180 Jessie St., San Francisco.
NOTE:—Contract includes all work, except bank fixtures.

Contract Awarded.
BANK BUILDING Cost, $15,850
FOLSOM, Sacramento Co., Cal.
One-story concrete and frame bank building.
Owner—Bank of Folsom.
Architect—A. W. Campbell, 3455 "J" St., Sacramento.
Contractor—Wm. C. Keating, Capitol Bank Bldg., Sacramento.

### BONDS.

OAKDALE, Stanislaus Co., Cal.—The Grammar School Board is contemplating a bond election to secure $85,000 with which to purchase a site and erect a new school building. Members of the School Board are:
W. B. Reynolds, Mrs. A. D. Sivley, J. F. Tulloch, C. B. Holliway and L. J. Edwards.

BURLINGAME, San Mateo Co., Cal.—March 26th is the date set to decide the question of voting a tax to provide funds with which to erect additional class rooms to the Roosevelt School at the south corner of Broadway and Vancouver avenues, including the purchase of the necessary furniture. The sum of $19,500 is needed to finance the work.
Trustees of the Burlingame School District are: M. G. McClinton, Frank H. Thrall and Mrs. J. M. Vickerson.

BENICIA, Solano Co., Cal.—The City Trustees, J. G. McAravy, City Clerk, have authorized the call of a bond election to finance the following improvements:
**Erection of Community Hall,** estimated at $45,000. Plans for this structure are being prepared by Architect A. Lemme, 337 Seventh Ave., San Francisco.
**Playground improvements,** including leveling a space 125 feet square and covering same with gravel 4 inches deep and furnishing and installing the necessary apparatus, $3,200. A convenience station and two drinking fountains, $3,200.
**Street improvements,** estimated at $28,800, not including paving or macadamizing except in First street; grading and filling East J from end of paving to Fourth street, the fill to be only part of the width of the street. West Third from alley between G and H to J. West Second from G to J. West H from Second to between Third and Fourth. West I from Second to Third. East Fifth from G to M. Widening present grade four feet on East H between Second and Third.
First street is to be scarified from the S. P. right-of-way to L street and finished with a top dressing, this work will cost about $7,500.
**Fire equipment,** $13,000 for an auto fire truck and $2,000 for coats, hose, helmets, etc.

CITRONA PARK, Glenn Co., Cal.—An election will be held in the Citrona Park School District March 27th, to decide the question of issuing bonds of $10,000 with which to erect a new school building. Trustees of the district are: H. M. Kingwill, J. S. Wilson and A. L. Cunningham.

VALLEJO, Solano Co., Cal.—Seeking a commission to prepare plans for one or more schools, under the proposed bond election, a representative of the Geo. C. Sellon Co., Architects, Mitau Bldg., Sacramento, is in Vallejo.

CONCORD, Contra Costa Co., Cal.—Steps are being taken for an election to decide the question of issuing and selling bonds of $200,000 with which to finance construction of a new elementary school building.
Wm. H. Hanlon is County Superintendent of Schools.

SUNNYVALE, Santa Clara Co., Cal.—Bonds of $70,000 for the purchase of additional land and the construction of additions to the present grammar school building were voted at a recent election.

SANGER, Fresno Co., Cal.—Bonds of $42,000 have been voted for a new grammar school building.

TOMALES, Marin Co., Cal.—An election has been called in the Tomales Union High School District to vote bonds of $20,000 with which to erect a new high school building. The district comprises Bloomfield and Valley Ford, in Sonoma County, and Tomales in Marin County.

TULARE, Tulare Co., Cal.—The City Council has adopted resolutions declaring their intention of calling an election to decide the question of issuing bonds with which to finance construction of a City Hall and Municipal Auditorium Building. This action was taken in response to a petition presented some weeks ago.
Architects W. C. Perry and G. B. Sturgeon, Newhall Bldg., San Francisco, have prepared plans for the structure.

YREKA, Siskiyou Co., Cal.—Up to March 20th, 10 A. M., bids will be received by the County Supervisors for the purchase of the Dunsmuir Grammar School Bond issue in the sum of $35,000.
Plans for the building to be erected from the proceeds of the sale were prepared by Architects Woollett & Lamb, Physicians Bldg., Sacramento.

FRESNO, Fresno Co., Cal.—Bids will be received by D. M. Barnwell, County Clerk, up to March 20th for the purchase of the $40,000 bond issue of the Calwa School District. Proceeds of the sale will finance construction of a new school building.
Ernest J. Kump, Rowell Bldg., Fresno, is the architect.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—On March 26th this city will vote on the question of issuing bonds with which to finance construction of a new school building in the northern section of the town.

C. C. Conrad is a member of the City School Board.

SAN JUAN, San Benito Co., Cal.—March 26th is the date set by the City Trustees to decide the question of issuing and selling bonds of $20,000 to finance construction of a sewer system, including a septic tank and works for the purification of sewage.

W. E. Hodges is Town Clerk.

SONOMA., Sonoma Co., Cal.—The City Council has decided to submit to the voters at the regular city election in April the question of issuing bonds of $57,000 for street and sewer improvements.

Preliminary plans for the work are now being completed by Howe & Peters, Engineers, 24 California St., San Francisco.

REDWOOD CITY, San Mateo Co., Cal.—April 12th is the date set by the City Trustees to vote bonds of $25,000 with which to finance construction of a spur track to the municipal wharf.

C. L. Dimmitt is City Engineer.

YREKA, Siskiyou Co., Cal.—The County Supervisors have passed a resolution calling an election to decide the question of issuing and selling bonds of $1,050,000 with which to construct a system of county highways. Approximately 134 miles of highways will be constructed under the issue.

W. J. Nelion is County Clerk.

BAKERSFIELD, Kern Co., Cal.—A bond issue for the proposed memorial auditorium for Kern County will probably be submitted at the election on May 4. Tentative plans for the auditorium to be erected in Bakersfield have been prepared by Architect Chas. H. Biggar. The estimated cost is $800,000 including furnishings. Plans have been made for eight smaller buildings, estimated to cost $12,000 to $13,000 each to be erected in various communities in the county. A site for the memorial hall has been purchased by the Supervisors.

SANTA ROSA, Sonoma Co., Cal.—Preliminaries have been completed by the School Board for an election to decide the question of issuing bonds of $250,000 with which to finance school improvements. The election will be held April 6th, the date set for the Municipal election.

T. F. Brownscombe is City Superintendent of Schools.

EL CERRITO, Contra Costa Co., Cal.—On the April ballot the City Trustees have decided to submit the question of issuing bonds of $80,000 with which to finance construction of a storm sewer system. The election held about a year ago to secure $60,000 for the same purpose was defeated.

Grace E. Castner is City Clerk.

FAIROAKS, Sacramento Co., Cal.—Bonds of $15,000 with which to erect a new school building have been voted in the Carmichael School District. It is planned to erect a two-room structure to be completed by the opening of the Fall term.

COLUSA, Colusa Co., Cal.—Bids will be received by B. L. McCue, City Clerk, up to March 22nd, 8 p. m., for the purchase of $21,427.30 worth of street improvement bonds.

## CHURCHES.

Contract Awarded.
CHURCH Cost, $50,000
RENO, Nevada. Court and Granite Sts.
Reinforced concrete church, 78x82.
Owner—First Church of Christ Scientist. E. H. Beemer, Chairman of Building Committee, Reno, Nevada
Architect—George Foote Dunham, 806 E-Sherman St., Portland, Ore.
Contractor—E. K. Fowler, Reno, Nev.

Contract Signed.
CHURCH Cost, $69,591
ALAMEDA, Alameda Co., Cal. No. 1931 San Antonio Avenue.
Reinforced concrete church (Mission style.)
Owner—St. Joseph's Catholic Church. (Rev. J. B. Praught, Pastor.)
Architects—W. D. Shea and Henry A. Minton, 244 Kearny St., San Francisco.
Contractor—John J. Leonard, 180 Jessie St., San Francisco.

Plans Being Figured.
CHURCH AND PARISH HOUSE Cost, $60,000.
CENTERVILLE, Alameda Co., Cal.
One-story reinforced concrete and hollow tile church and parish house.
Owner—Centerville Roman Catholic Parish. Rev. Souza is Pastor.
Architects—Shea & Minton, 244 Kearny St., San Francisco.
Figures are being taken for a general contract.

## FACTORIES AND WAREHOUSES.

Sketches Being Prepared.
WAREHOUSE Cost, $250,000 approximately.
SAN FRANCISCO. Steuart and Folsom Streets.
Three, four or five-story Class "C" or reinforced concrete warehouse and shop building.
Owner—State of California.
Architect—Eng. Dept. of State Board of Harbor Commissioners Ferry Bldg., San Francisco.
The building is to be designed for the State Purchasing Department and for the work shop of the State Harbor Commission.

Bids in. Contract to bs Awarded Next Week.
WAREHOUSE Cost, $250,000
SAN FRANCISCO. SW Bryant and Rincon (Bet. 1st and 2nd Sts.)
Five-story reinforced concrete warehouse, 160x160.
Owner—The Ondawa Co., 268 Lee St., Oakland.
Architect—Earl B. Scott, Humboldt Bk. Bldg., San Francisco.
Engineer—W. H. Ellison, 369 Pine St., San Francisco.

Plans to be Prepared.
WAREHOUSE, ETC. Cost, $20,000
OAKDALE, Stanislaus Co., Cal.
Fireproof warehouse and bleaching shed, 60x120.
Owner—Oakdale Almond Growers' Association, W. H. Besecker, Secretary, Oakdale.
Architect—Not Yet Selected.

Plans Being Figured. Bids Close Mar. 26th, 1:30 P. M.
STORAGE PLANT Cost, $——
SANTA ROSA, Sonoma Co., Cal. County Farm Site.
For the erection and completion of a cold storage plant.
Owner—County of Sonoma. W. W. Felt Jr., County Clerk, Santa Rosa.
Architect—Not Given.
Plans may be seen at the office of the County Clerk.

Contract Awarded. Ready for Sub-Figures in About Two Weeks.
ADDITION Cost, $362,500
SAN FRANCISCO. Eighth and Brannan Streets.
One and four-story and basement reinforced concrete addition to present plant, 175x275.
Owner—National Carbon Co., Premises.
Engineer—Maurice Couchot, 110 Sutter St., San Francisco.
Contractor—Hannah Bros., 142 Sansome St., San Francisco.
NOTE:—The contract was signed on March 5th and includes all work except the offices, which will be under a spearate contract of about $40,000.

Contract Awarded.
FRESNO, Fresno Co., Cal. Friant Branch and First Street.
Fireproof warehouse.
Owner—Setchel Fruit Co., Griffth-McKenzie Bldg., Fresno.
Architect—None.
Contractor—R. Pedersen, 446 Clark St., Fresno.

Plans Being Prepared.
FACTORY Cost, $——
SAN FRANCISCO. SW 18th and Folsom Streets.
One-story reinforced concrete factory.
Owner—Hind Estate.
Architect—Wm. Knowles, Hearst Bldg., San Francisco.

Plans to Be Prepared.
CANNING PLANT. Cost, $150,000
MODESTO, Stanislaus Co., Calif.
Canning plant.
Owner—Stanislaus County Growers' Association. G. N. Pfarr, Secretary, Modesto, Calif.
Architect—Not yet selected.
Directors of the Association are: T. K. Beard, L. E. Pitts, M. L. Harmon, P. A. Hunt, M. S. Amerine, H. G. Pierce, G. N. Pfarr, Howard H. Huls, C. E. Biglow, R. Farr and W. H. Hatchett.

Contract Awarded.
FACTORY BLDG. Cost, $45,000
EMERYVILLE, Alameda Co., Cal.
One and one-half-story concrete and steel factory building.
Owner—Western Aluminum Mfg. Co. H. B. Knowles, Vice President and General Manager.
Designer & Contractor—Karl Koller of Crockett. Temporary address, 207 Federal Syndicate Bldg., Oakland. Job Phone Piedmont 8774.

Plans Being Prepared. Contract Awarded on a Percentage Basis.
FACTORY BLDGS. Cost, $——

EMERYVILLE, Alameda Co., Cal.
Six fireproof factory buildings.
Owner—Sherwin-Williams Paint Co., 454 Second St., San Francisco.
Architect—Eng. Dept. of Owners. (Eastern Office).
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.

SANTA MONICA, Los Angeles Co., Cal.—All bids received by the City Commission for the construction of a wood pile substructure for the municipal pier were rejected, being in excess of the amount available. The $75,000 bonds voted for the work have been sold through local banks. The commission is now considering doing the work by force account.

Contract Awarded.
CLASS "C" WAREHOUSE Cost, $16,700
SAN FRANCISCO, SE Fourth and Perry Streets.
One-story Class "C" warehause.
Owner—Hastings Estate.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Peter Hamilton, 240 Montgomery St., San Francisco.

## FLATS.

Plans Being Figured.
FLATS Cost, $17,000
SAN FRANCISCO. Franklin Street S Green Street.
Two-story and basement frame residential flats (6 rooms and basement garage).
Owner—E. J. Pierron.
Architects—Fabre & Thayer, 625 Market St., San Francisco.
Figures are being taken for a general contract, except painting, plumbing fixtures and finish hardware.

Plans Being Figured.
ALTERATIONS Cost, $5000
SAN FRANCISCO. California Street and Twenty-second Avenue.
Alter two-story frame store and flats into residential flats.
Owner—P. R. Poulson.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

## GARAGES.

Plans Being Prepared.
GARAGE Cost, $——
OAKLAND, Alameda Co., Cal. SW Harrison and 12th Streets.
One-story brick commercial garage.
Owner—East Bay Garage Co.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Plans will be ready for figures in about two weeks.

Contract Awarded.
GARAGE, ETC. Cost, $17,000
TULARE, Tulare Co., Cal.
One-story brick and concrete garage and salesrooms, 60x140.
Owner—C. D. Russell, Tulare, Calif.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Barkelew & Gould, 2305 White St., Fresno.

## GOVERNMENT WORK & SUPPLIES.

SAN DIEGO, Cal.—Following are the bids received for erecting a storehouse and 3 fabricated steel hangars at the naval air station, San Diego, Spec. 4087: Lange & Bergstrom, Timken Bldg., San Diego—Item 1, work complete, $115,327, 180 days; item 2, $5,356. Kier Construction Co., San Diego—Item 1, $125,497, 120 days; item 2, $4942.

SAN DIEGO, Cal.—Thomas Haverty Co., 8th and Maple Ave., Los Angeles, was the lowest bidder at $189,650 for constructing steam and electrical distributing systems and power plant equipment for the marine base at San Diego, Spec. 4118: Globe Electric Co. of San Diego, bid $254,830, and Brelin Electric Co. of San Diego, $266,663. Only two bids for the work were received at Washington: John Danforth Co. of Buffalo, N. Y., $198,930, and Stewart Engineering Co., N. Y., $263,000. Following are the bids received at San Diego in detail:

Thomas Haverty Co.—Item 1, work completed, $189,650, time 235 days; item 2, electrical distributing system complete, $31,250; Item 3, steam distributing system complete, $66,800; Item 4, power plant equipment complete, $91,600; Item 5, add for extension of electrical ducts to building C-1, approximately 40 ft., $560; Item 6, add for extension of steam ducts to building C-1, $620; Item 7, deduct from Items 1 or 4 if 125 K. W. generator set is omitted, $8800; Item 8, deduct if one vacuum pump is omitted, $670; Item 9, deduct if two boilers and settings are omitted, $23,700.

Globe Electric Co.—(1) $254,830, time 150 days; (2) $36,729; (3) $97,140; (4) $129,809; (5) $500; (6) $673; (7) $1840; (8) $710; (9) $35,350.

Brelin Electric Co.,—(1) $266,663, time, 200 days; (2) $34,840; (3) $98,135; (4) $135,545; (5) $700; (6) $1130; (7) $11,600; (8) $625; (9) $30,000.

WASHINGTON, D C.—Plans for remodeling old barrack building No. 53 at the Mare Island Navy Yard are being prepared by the Bureau of Yards and Docks, Navy Department, and a call for bids will be issued in the near future. The work is provided for under Specification No. 4147.

WASHINGTON, D. C.—Johnson & Gaston, 965 Fifth street, San Francisco, at $4,885, have been awarded a contract by the Bureau of Yards and Docks, Navy Department, for repairing the coaling wharf at San Diego, as provided for in Specification No. 4117. Time for completion is 60 days.

SAN FRANCISCO.—Bids will be received by the Engineer Office, U. S. Army, 240 Montgomery St., up to March 18th, 10 A. M., under Order No. 2297 for furnishing and delivering new and used lumber.

SAN FRANCISCO—Bids will be received up to March 23rd, 10 A. M., by the Zone Supply Officer, Fort Mason, under Circular No. 244, for furnishing and delivering 1000 founts for Dietz Lantern.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering the following materials, (the date of opening bids is noted at end of each paragraph).

Schedule 5684, for eastern and western yards, electrical turret turning equipment, opening of April 2.

Schedule 5694, for Mare Island, 3,000 feet crane chain, opening of March 26.

Schedule 5695, for Mare Island, 30,000 feet white ash, opening of March 26.

Schedule 5707, for Mare Island, 2 generating sets, opening of March 26.

Schedule 5710, for eastern and western yards, wire rope, opening of March 30.

Schedule 5711, for Mare Island, 44,700 feet Douglas fir piles, opening of March 30.

Schedule 5714, f. o. b. works, 10 testing sets for measuring resistance of detonators, opening of March 23.

Schedule 5721, for eastern and western yards, miscellaneous chain hoists, opening of April 6.

Schedule 5730, for Mare Island, structural steel, opening of March 30.

For further information address the bureau of suplies and accounts, Navy Department, Washington, D. C.

WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer, The Panama Canal, up to March 23rd, 10:30 A. M., for furnishing and delivering under Circular No. 1352:

Steel rails, pipe fittings, shovels, ratchet braces, oil cans, screws and steel desks.

## HALLS AND SOCIETY BUILDINGS.

Plans Being Figured.
CLUB BLDG. Cost, $——
LONG BEACH, Los Angeles Co., Cal. American Ave. and Seventh St.
One and three-story, brick and reinforced concrete club building.
Owner—Y. M. C. A.
Architect—W. Horace Austin, 222 1st National Bank Bldg., Los Angeles.
Engineering Plans—E. L. Mayberry, 468 Pacific Electric Bldg., Los Angeles.

Plans Being Prepared.
LODGE BLDG. Cost, $70,000
VALLEJO, Solano Co., Cal. Main St.
Three-story and basement frame and plaster lodge building.
Owner—Vallejo Council No. 874, Knights of Columbus.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

Plans to Be Prepared.
MASONIC TEMPLE. Cost, $60,000 ($28,600 available.)
TURLOCK, Stanislaus Co., Calif. East Main St.
Fireproof Masonic Temple, 75x120.
Owner—Turlock Masonic Temple Association, Turlock, Calif.
Architect—Not yet selected.
Building committee composed of A. A. Caldwell, Wellington Brown, Charles Geer, Fred Geer and W. H. Rickenbacher and Fred C. Englesby, chairman.

## HOSPITALS.

Plans to be Prepared.
HOSPITAL Cost, $75,000
SAN RAFAEL, Marin Co., Cal.
Class "A" employees hospital (100 rooms).
Owner—Employees of Northwestern Pacific Railroad Company.
Architect—Not Yet Selected.

NOTE:—Steps are now being taken for the formation of a corporation and when this is completed it is expected that an architect will be selected to design the necessary plans.

Commissioned to Prepare Plans.
HOSPITAL Cost, $400,000
SACRAMENTO, Cal. Twenty-ninth and "J" Streets.
Five-story reinforced concrete hospital
Owner—White Hospital Cptn., 29th and "J" Sts., Sacramento.
Architect—Fred'k. H. Meyer, Bankers' Invst. Bldg., San Francisco.

## HOTELS.

Working Drawings Being Prepared.
HOTEL Cost, $250,000
VALLEJO, Solano Co., Cal. Sonoma and Virginia Streets.
Six-story and basement Class "C" hotel
Owner—Admiral Hotel. A company composed of Albert Casper, Chairman of Mare Island Naval Base Association, James E. Hegan, M. E. Reed, Commander, who is supervising installation of machinery in the Battleship California at Mare Island.
Engineers—Heller & Wilson, 1st National Bank Bldg., San Francisco and Geo. E. Perry Jr., Associate, Vallejo, Calif.

Plans Being Figured.
HOTEL Cost, $55,000
FRESNO, Fresno Co., Cal.
Two-story brick hotel and stores (50 rooms with about 25% baths.)
Owner—Withheld.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Figures are being taken for a general contract.

## PUBLIC BUILDINGS

Plans Being Prepared. Bonds to be Voted Shortly.
COMMUNITY HALL Cost, $45,000
BENICIA, Solano Co., Cal.
Fireproof community hall.
Owner—City of Benicia. J. C. McAravy, City Clerk.
Architect—Emile Lemme, 337 Seventh Ave., San Francisco.

To be Done by Day Work.
REMODELING Cost, $3,000
SACRAMENTO, Calif.
Remodeling roof trusses of the State Capitol Bldg.
Owner—State of California.
Architect—Geo. B. McDougall, Sacramento, Calif.

## RESIDENCES.

Working Drawings Being Prepared.
RESIDENCE Cost, $30,000
SAN FRANCISCO. Broadway near Baker.
Two-story and basement frame and plaster residence.
Owner—S. B. Hindes, Nevada Bank Bldg., San Francisco
Architect—Fred'k. H. Meyer, Bankers' Invst. Bldg., San Francisco.
NOTE:—Plans will not be ready for figures for about two months.

Contract Awarded.
RESIDENCE Cost, $24,500
HILLSBOROUGH, San Mateo Co., Cal. El Cerrito Park.
Two-story frame residence, 10 rooms and separate garage with servants' quarters.
Owner—Ned C. Griffin.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.
Contractor—S. A. Born Bldg., Co., 37th Ave. and Shoreview Ave., San Francisco.

Completing Plans. Ready for Figures in About Ten Days.
RESIDENCE Cost, $50,000
SAN FRANCISCO. Sea Cliff.
Two-story and basement frame residence (11 rooms and quarters for 4 servants, ball room, 24x45.)
Owner—H. C. Ilse.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $7000
LOS GATOS, Santa Clara Co., Cal.
Extensive alterations and additions to residence.
Owner—Mrs. M. Pitcairn, 65 San Buenaventura St., San Francisco.
Architect—Chas. Strothoff, 2276 15th St., San Francisco.
Contractor—Olaf Strom, Campbell, Cal.

Plans Being Revised.
RESIDENCE Cost, $25,000
SAN FRANCISCO. Sea Cliff.
Two-story basement and attic frame and plaster residence (9 rooms and garage.)
Owner—Francis H. Crosby.
Architect—Clarence A. Tantau, 251 Kearny St., San Francisco.

Plans Being Prepared.
BUNGALOWS.
Cost, $3,000 to $4,500 each.
SACRAMENTO, Cal. North Sacramento.
Twenty-five one-story frame and plaster bungalows.
Owner—North Sacramento Land Co., 1019 8th St., Sacramento, Calif.

Plans Being Prepared.
BUNGALOW Cost, $8000
FRESNO, Fresno Co. Cal.
One-story frame and plaster bungalow (6 rooms).
Owner—Withheld.
Architects—Glass & Butner, Hearst Bldg., San Francisco.

Plans Being Figured. Bids Close Mar. 20th, 1920.
RESIDENCE Cost, $11,000
YUBA CITY, Sutter Co., Cal.
Two-story frame and stucco residence (7 rooms and 1 bath).
Owner—W. Ray Chandeler, Marysville.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico, Cal.

Plans Prepared.
DWELLING. Cost, $10,000
FRESNO, Fresno Co., Cal.
One-story hollow tile and stucco dwelling.
Owner—G. F. Paxton, Fresno, Cal.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal.
Large residence.
Owner—Cyril Tobin.
Architects—Weeks & Day, Phelan Bldg., San Francisco.
Plans Being Prepared.
RESIDENCE Cost, $6,000
SAN LEANDRO, Alameda Co., Cal. Cherry Acres.
One-story frame residence (6 rooms).
Owner—J. Leppler.
Architects—Sidney B. and Noble Newsom, Nevada Bk. Bldg., San Francisco.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $——
ATHERTON, San Mateo Co., Cal.
Hollow tile or frame residence and garage.
Owner—Percy Selby.
Architects—Weeks & Day, Phelan Bldg., San Francisco.

Low Bidder. Contract to be Awarded.
RESIDENCE Cost, $——
BURLINGAME, San Mateo Co., Cal.
Two-story and basement frame residence and garage.
Owner—E. B. Breeden.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.
Low Bidder—Chas. Stockholm & Son, Monadnock Bldg., San Francisco.

Plans Complete. Ready for Figures in a Few Days.
RESIDENCE Cost, $20,000
PALO ALTO, Santa Clara Co., Cal.
Two-story frame residence (8 rooms and two bathrooms and separate garage with living rooms).
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Plans Being Figured.
ALTERATIONS Cost, $2,500
SAN FRANCISCO. N Sacramento St. W Pierce.
Alter and add to one-story and basement frame residence (alter basement into garage and interior alterations).
Owner—Mr. Schmidt.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS
SAN FRANCISCO. Sea Cliff.
Alter and add to two-story frame residence (add 4 rooms and bath).
Owner—Withheld.
Architect—A. A. Cantin Foxcroft Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $14,000
OAKLAND, Alameda Co., Cal. 14th St. near Market.
Alter two and three-story frams buildings into 12 apts. of 3 rooms.
Owner—Name Withheld.
Architects—Chester Miller and Carl Warnecke, Call Bldg., San Francisco, and Perry Bldg., Oakland.
Segregated figures will be taken in about ten days.

## SCHOOLS.

Low Bidder.
GYMNASIUM Cost, $16,080
FAIRFIELD, Solano Co., Cal.
One-story frame gymnasium.
Owner—Fairfield High School District.

Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Low Bidder—S. Montani, 1753 Greenwich St., San Francisco.

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Plans Being Figured. Bids Close Mar. 17, 1920, 8 P. M.
ADDITIONS Cost, $42,000 each
TURLOCK, Stanislaus Co., Cal. Lowell and Hawthorne Schools.
Two two-story and basement brick additions to schools.
Owner—Turlock School District (Chas. Lindahl, Clerk).
Architect—W. H. Weeks, 75 Post St., San Francisco.
Figures will be taken for general contracts. Plans may be obtained from the Architect's office or from the Clerk of the Board on a deposit of $20.

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Plans Being Prepared.
SCHOOL Cost, $200,000
LANCASTER, Los Angeles Co., Cal.
Fireproof high school building.
Owner—Antelope Valley Union High School District.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.
There will be a new auditorium with science and gymnasium wing, and girls' dormitory building. A special election has been called for April 2 to vote bonds in the sum of $200,000 for the erection and equipment of the buildings.

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Plans Being Refigured. Bids Close March 22, 1920, at 7:30 P. M.
SCHOOL Cost, $250,000
SALINAS, Monterey Co., Cal. South Main and Gell Streets.
One and two-story reinforced concrete Union High School Building.
Owner—Salinas Union High School District. E. L. Van Dellen, Clerk, Salinas, Calif.
Architect—Ralph Wyckoff, 328½ Main St., Salinas, or Pajaro Valley Bank Bldg., Watsonville, Calif.
Bids were opened on March 4th, but ran approximately $100,000 over the amount available and were rejected. The new call for bids provide for four alternatives which will probably come within the estimate.
Bids will be received separately on the plumbing, heating and ventilating, program clocks, locker, electric fixtures, furniture, stage curtains and scenery and cafeteria kitchen equipment, and a general contract with four alternate propositions.
Certified check of 10% payable to E. L. Van Dellen, Clerk of Salinias Union High School Ditsrict, must accompany each bid.
The following is a complete list of bids received on March 4th:

**General Contract.**

McLeran & Petersen of San Francisco, $346,968; K. E. Parker & Co., of San Francisce, $362,000; Clinton Construction Co. of San Francisco, $368,000.

**Heating and Ventilating.**

Scott Co., San Francisco—Proposition A, $25,340; proposition B, $25,720; proposition C, $24,420; proposition D, $23,760.
J. H. Pinkerten, San Francisco—Proposition A, $29,472; proposition B, $29,973; proposition C, $28,580; proposition D, $27,900.
Carl T. Doell, Oakland—Proposition A, $26,820; proposition B, $27,100; proposition C, $25,757; proposition D, $25,225.
W. K. Nottingham, Oakland—Proposition A, $28,666; proposition B, $28,999.
J. E. O'Mara, San Francisco—Proposition A, $28,662; proposition B, $29,162; proposition C, $27,546; proposition D, $72,141.
Anderson & Dougherty, Salinas—Proposition A, $28,841; proposition B, $29,054; Proposition C, $28,031; Proposition D, $27,438.

**Plumbing.**

Proposition No. 1—Scott Co., San Francisco, bid $12,495, and J. E. O'Mara, San Francisso, $13,965.
Proposition No. 2— Anderson & Dougherty, Salinas, bid $17,968.

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Plans Being Prepared.
SCHOOL, ETC. Cost, $——
SANTA BARBARA, Cal.
Group of fireproof school and orphanage buildings.
Owner—St. Vincent's School and Orphanage.
Architect—Geo. W. Smith, Santa Barbara, Cal.
Supervising Architect—John J. Donovan, Perry Bldg., Oakland.

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Preliminary Sketches Being Completed
SCHOOL BLDGS. Cost, $350,000
HANFORD, Kings Co., Cal.
Group of high school buildings to accommodate 650 pupils. Academic building, 225x80 with auditorium seating 900; Science building, 75x85; Arts building, 75x85; Gymnasium, 40x60 and shop building.
Owner—Hanford High School District.
Architects—Coates & Travers, Rowell Bldg., Fresno, Cal.

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Contract Awarded.
SCHOOL Cost, $40,000 aproximately.
SAN ANSELMO, Marin Co., Cal.
One-story brick and frame school building.
Owner—San Anselmo School District, Mrs. Jones, Clerk.
Architect—J. W. Dolliver, 701 Royal Insurance Bldg., San Francisco.
Contractor—S. Saywell, San Anselmo.
NOTE:—A contract will be signed at a special meeting this week.

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Figures to be Called Friday. Bids Close April 6, 1920, 4 P. M.
SCHOOL Cost, $200,000
BERKELEY, Alameda Co., Cal. Prince, King, Ashby and Ellis (Lincoln School).
Two-story brick and concrete school (23 rooms and auditorium).
Owner—City of Berkeley.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Supervising Architect—W. C. Hays, 1st National Bk. Bldg., San Francisco.

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Contract Awarded.
SCHOOL Cost, $36,000 approximately.
WINTERS, Yolo Co., Cal.
One-story frame and brick veneer school.
Owner—Winters Grammar School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Walter W. Campbell, 3325 "J" St., Sacramento.

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Bids Opened and Taken Under Advisement.
SCHOOL Cost, $60,000
LOVELOCK, Nevada.
One-story and basement brick school (2 rooms and auditorium).
Owner—Lovelock School District.
Architect—Geo. C. Sellon, 1005 8th St., Sacramente.
The following two bids were received March 8th and taken under advisement by the Board until Friday, March 12th:
Howard S. Williams, San Francisco, $93,000.
Anderson & McShee, Winnemucca, Nevada, $106,000.

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Contract Awarded.
ALTERATIONS, ETC. Cost, $2,240
EUREKA, Humboldt Co., Calif. Eleventh and "M" streets.
Alterations and repairs to Lafayette School, including carpentry, plumbing, ventilating and sheet metal work.
Owner—City of Eureka. Geo. B. Albee, Sup't. of Schools, Eureka, Calif.
Architect—Newton Ackerman, Eureka.
Contractor—Ohman Hardware Co., Eureka, Calif.
Other bidders were: Moore & Cook, Eureka, $2,251; Thos. Warren, Eureka, $2,348.

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TURLOCK, Stanislaus Co., Cal.—Bids will be received up to March 19th, 8 p. m., by W. A. Hively, Clerk of the Board of Trustees of the Washington School District, for the erection of a tank and the plumbing work in connection with same at the Washington School house, three miles west of Turlock. Plans may be seen at the Turlock Hardware Co., Turlock, Calif.

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Plans Being Prepared. Bonds of $60,000 Voted.
SCHOOL. Cost, $50,000
MAXWELL, Colusa Co., Cal.
Two-story and basement concrete or hollow tile school (ten classrooms and auditorium).
Owner—Maxwell High School District, Mrs. W. B. Harder, Clerk, Maxwell, Calif.
Architects—Woollett & Lamb, Physicians' Bldg., Sacramento.

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BERKELEY, Alameda Co., Cal.—Bids will be received by Nellie L. Crewl, Secretary of the Berkeley Board of Education, up to March 30th, 4 P. M., for furnishing and installing wooden and metal book stacks in the Berkeley High School.
Specifications may be seen at the office of the Secretary, 2133 Allston Way, Berkeley.

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SAN RAFAEL, Marin Co., Cal.—Bids will be received by Eugene W. Smith, City Clerk, up to March 15th, 8 p. m., for scraping and painting of the steel water tank situated on the site of the flushing basin. The city will furnish the necessary paint. Certified check for 10%, payable to the Mayor of San Rafael, must accompany each bid.

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Additional Bonds to Be Voted and Plans Refigured.
HIGH SCHOOL. Cosct, $150,000
MARTINEZ, Contra Costa Co., Cal.. Alhambra School District.
Two-story brick or reinforced concrete high school.
Owner—Alhambra Union High School District.

Architect—A. A. Cantin, 68 Post St., San Francisco.

At a special meeting of Board of Trustees on March 10th, it was decided to call an election to vote additional bonds to the amount of $50,000, and then call for new figures.

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Opening Date For Fowler School Postponed.
SCHOOL BLDGS. Cost, $——
FOWLER, Fresno Co., Cal.
Four one and two-story brick and concrete school buildings.
Owner—Fowler Union High School District.
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

All bids received on March 12th were returned unopened and the opening date postponed to March 30, 1920, at 2 P. M.

Bids are being received on 12 separate contracts.

Plans may be obtained from the office of Morrow & Garren, Chronicle Bldg., San Francisco.

## STORES AND OFFICES.

Preliminary Plans Approved
STORE & LOFT BLDG. Cost, $100,000
SACRAMENTO, Cal. "J" Street.
Five-story steel and concrete store and loft building.
Owner—Samuel Dunn & C. W. Frazier (Furniture Co.)
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.

Only preliminary plans have been prepared and aproved, when construction will be started has not been decided.

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Contract Awarded.
STORE BLDG. Cost, $30,000
SAN FRANCISCO. SW First and Minna Streets.
Owner—Hugh Goodfellow.
Engineer—W. H. Ellison, 369 Pine St., San Francisco.
Contractor—W. T. Commary, Crocker Bldg., San Francisco.

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CONTRACT Awarded.
STORE AND LOFTS. Cost, $150,000
LOS ANGELES. NW 6th and Broadway.
Three-story and basement Class "A" store and loft building, 75x115.
Owner—Sun Drug Co.
Architect—Withey, Davis & Davis, 3215 W 6th St., Los Angeles.
Contractor—J. V. McNeil, 736 H. W. Hellman Bldg., Los Angeles.

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Contract to be Awarded in a Few Days
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. Market Street near Van Ness Avenue.
Three-story reinforced concrete auto sales building.
Owner—Mrs. Drexler.
Lessee—Clydesdale Truck Co.
Architect—Reid Bros., 105 Montgomery St., San Francisco.

Grading and foundations awarded to The Mission Concrete Co.

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Contract Awarded.
MARKET BLDG. Cost, $38,433
SAN FRANCISCO. N Clay Street near Sansome.
Two-story and basement reinforced concrete wholesale meat market building, 44x120.
Owner—Isabella M. Cowell.
Lessee—Baumgarten Bros., 1495 Ellis St., San Francisco
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.

Contract includes all work except elevators, for which a contract will be awarded in a few days.

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Contract Awarded.
STORE Cost, $10,000
KNIGHTS LANDING, Yolo Co., Cal.
One-story brick and concrete store.
Owner—John Anderson, Knights Landing, Cal.
Architect—Not Given.
Contractor—E. L. Younger, Porter Bldg., Woodland, Cal.

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Contract Awarded.
ADDITION Cost, $10,000
MODESTO, Stanislaus Co., Cal. NE 11th and J Streets.
One-story brick and concrete market addition, 75x40.
Owner—E. H. Tickle (Community Market), Modesto, Cal.
Architect—Not Given.
Contractor—H. Vollstadt, Modesto, Cal.

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Sub-Figures Being Taken for Mill Work, Glazing, Roofing and Plastering.
OFFICE BLDG., ETC. Cost, $——
EMERYVILLE, Alameda Co., Cal.
Three-story reinforced concrete warehouse, 200x60, and two-story brick office building.
Owner—Sherwin & Williams, 454 2nd St., San Francisco.
Architect—Eng. Dept. of Owners.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.

Mr. Wagner has awarded the following contracts:

**Sprinkling System** to The Pacific Fire Extinguisher Company.
**Steel Sash** to Waterhouse-Wilcox Co.
**Steel Shutters** to Pacific Bldg. Material Company.
**Steel** to Truscon Company.

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Sub-Figures Being Taken.
ALTERATIONS Cost, $——
SAN FRANCISCO. NW Front and Pine Streets.
Alter stores and offices.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architects—Rousseau & Rousseu, 110 Sutter St., San Francisco.

The plumbing and carpentry work will be done by days labor.

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Working Drawings Being Prepared.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. SW Bush and Sansome Streets.
Twenty-story and basement Class "A" office building.
Owner—Standard Oil Co.
Architect—Geo. Wm. Kelham, Sharon Bldg., San Francisco.

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Plans Being Prepared. Ready for Figures in a Few Days.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. W Van Ness Ave 40 N Eddy Street.
One-story and mezzanine reinforced concrete auto sales building, 40x109
Owner—Mary A. Ruggles.
Architect—August Headman, Call Bldg. San Francisco.

Plans Being Prepared.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. E Van Ness Ave 67-6 N Eddy Street.
One-story, basement and mezzanine reinforced concrete auto sales building, 25x109.
Owner—Jacob Macowsky.
Architect—August Headman, Call Bldg. San Francisco.

Plans will be ready for figures within a week.

## THEATRES.

Plans Being Figured.
ALTERATIONS Cost, $25,000
SAN FRANCISCO. W Powell Street near Market.
Alter for motion picture theatre (4000 seating capacity.)
Owner—Edison Moving Picture Co., 27 Powell St., San Francisco.
Architect—A. S. Heineman, Monadnock Bldg., San Francisco.

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Plans Being Prepared.
THEATRE, ETC. Cost, $——
BREA, Orange Co., Cal.
Two-story brick motion picture theatre and store building, 50x110.
Owner—Mike George.
Architect—John E. Kunst, 719 Higgins Bldg., Los Angeles.

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Contract Awarded.
THEATRE, ETC. Cost, $30,000
TORRANCE, Los Angeles Co., Cal.
Hollow tile theatre and store building, 60x130.
Owner—Torrance Auditorium Co., Inc.
Architect—A. E. Sedgwick, 1010 Garland Bldg., Los Angeles.
Contractor—Hurum E. Reese, Torrance

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Plans Being Figured.
THEATRE Cost, $90,000
NAPA, Napa Co., Cal.
Reinforced concrete and brick motion picture theatre and 2 stores (1800 seats).
Owner—S. Gordon of San Francisco and R. Blumenfeld and J. Knox of Napa
Architects—Reid Bros., 105 Montgomery St., San Francisco.

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Plans Being Prepared.
THEATRE Cost, $70,000
SAN FRANCISCO. W Third Street 25 S Minna Street.
Class "A" theatre building.
Owner—O. D. Baldwin.
Architect—A. W. Burgren, 661 Phelan Bldg., San Francisco.

# ENGINEERING

## BRIDGES, DAMS AND HARBOR WORK.

SAN RAFAEL, Marin Co., Cal.—The Supervisors, Eugene D. Graham, County Clerk, have ordered the preparation of plans for the new Belvedere bridge, estimated to cost $8,000.

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FRESNO, Fresno Co., Cal.—Chris. P. Jensen, County Highway Engineer, is completing plans and specifications for the construction of twenty-five small bridges to be constructed on the Whitesbridge road unit routing of the County Highway system. The estimated cost is placed between $25,000 and $30,000, and locations of them will

be distributed between tranquillity and the Fresno Slough.

D. M. Barnwell is County Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—John B. Leonard, Engineer, 57 Post St., San Francisco, at the last meeting of the City Council submitted estimates for bridge construction as follows:

Soquel avenue bridge, $125,000; Barson street bridge, $50,000.

The estimates were accepted and it was decided to hold an election in July to vote bonds to finance construction of the two structures.

## IRRIGATION PROJECTS

MARYSVILLE, Yuba Co., Cal.—The Cordua Irrigation District has decided to undertake by day labor the construction of nine miles of ditches, requiring the excavation of approximately 32,000 cubic yards.

Warren Steel, Ellis Block, Marysville, is Secretary of the District.

ALTURAS, Modoc Co., Cal.—Application of the Crooks Irrigation District in Modoc County for approval of its plans to bond the district in the amount of $80,000 for improvements, has been approved by the State Irrigation District Bond Commission. The district comprises about 6,000 acres.

Oxnard, Ventura Co., Cal.—Until 2 p. m., March 30, bids will be received by the Oxnard Drainage District, C. C. Rupert, Secretary, for constructing an ocean outlet for a drainage system, including a gate house and for excavating 4½ miles of drainage canal. Plans and specifications may be seen at the office of the district in Oxnard and may be obtained from Olmsted & Gillelen, engineers, Hollingsworth Bldg., Los Angeles, on payment of $3. See official advertisement under Proposals Wanted. The district comprises about 6,000 acres and bonds to the amount of $200,000 have been voted. The drainage canal will be about 10 ft. in depth and 8 ft. wide at the bottom with a 1½ to 1 slope. Excavation may be done by steam shovel or dragline. The outlet will consist of two corrugated iron pipe 5 ft. diameter each about 800 feet in length carried into the ocean on concrete piles. The gate house will be of reinforced concrete and will be equipped with an automatically closing tide gate.

PHOENIX, Ariz.—The Board of Governors of the Salt River Valley Water Users Association has approved three propositions which will be submitted at the annual election in April, namely: The enlargement of the eastern canal, including the moving of the power house; construction of a drainage project and construction of water ways to take care of waste water. According to the report of D. W. Murphy, consulting engineer of Los Angeles, the adoption of these propositions means the construction of nearly 25 miles of drains of the open and closed type, the sinking of additional wells and construction of waste ditches for disposal of pumped water which cannot be used for irrigation.

## LIGHTING SYSTEMS

PETALUMA, Sonoma Co., Cal.—The City Council has ordered plans prepared for the installation of electroliers in Main street.

LOS ANGELES, Los Angeles Co., Cal.—Until 3 P. M., April 6, bids will be received by the Board of Public Service, Knickerbocker Bldg., for furnishing hydraulic equipment, electric generators, transformers, auxiliary electric equipment and appurtenances in accordance with Specification No. P-221. Jas. P. Vroman, Secretary.

## SEWERS, STREET WORK & WATER SYSTEMS

PETALUMA, Sonoma Co., Cal.—The City Engineer has been instructed to survey the Third and F street sewer to see if the F St. sewer may be changed to prevent its running into Thompson Creek at First street.

The construction of a sewer from Oak to Kent in North Main street was recommended at the last meeting of the Trustees.

SANTA ROSA, Sonoma Co., Cal.—Acting on the petition of property owners, the City Council has ordered the paving of Humboldt street between Benton and Spencer streets.

OAKLAND, Cal.—The City Council has passed a resolution of intention providing for the construction of cement concrete sidewalks, where not already, on the south side of Hopkins street from the east line, produced, of Sheffield street to the center line of Sausal Creek.

OAKLAND, Cal.—The City Council, L. Ins. Cummings, City Clerk, has awarded a contract to Hutchinson Co., 444 17th St., Oakland, for the improvement of portions of Monticello avenue by constructing concrete curbs and gutters, sidewalks and paving with oil macadam, 5 storm water drains, etc.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Following bids were received by the County Supervisors for furnishing and delivering 50,000 barrels of cement:

Henry Cowell Lime & Cement Co., Santa Cruz Portland Cement Co., Pacific Coast Coal Co., and the Pacific Portland Cement Co., offered to furnish same for $212,290 with an allowance of $50,000 for return of sacks. The California Portland Cement Co., of Colton, offered to furnish the cement at $200,897 with the same allowance for sacks. The bids have been taken under advisement.

FRESNO, Fresno Co., Cal.—The bid of Ryan & Moran of Fresno, at $1,770 for the construction of a safety station at Van Ness and Tulare streets has been rejected by the City Council.

HOLBROOK, Ariz.—Until 2 P. M., March 22, bids will be received at office of Supervisors at Holbrook for constructing Section 3 of Holbrook-St. Johns highway, federal aid project No. 3, in Petrified forest, involving 16,180 cu. yds. excavation; 400 cu. yds. concrete, and drainage structures. Plan may be seen at office of Supervisors and may be obtained on deposit of $5 from State Engineer Thomas Maddock at Phoenix.

VENTURA, Ventura Co., Cal.—Until 11:30 a. m., March 23, bids will be received by L. E. Hallowell, Clerk of the Board of Supervisors, for constructing ¾ mile of Wheeler Springs road, involving 16,000 cu. yds. excavation and 200 cu. yds. rubble masonry.

At 11:45 a. m. of the same day separate bids will be received for the improvement of 1½ miles of Foothill road, about ½ mile east of Ventura. A 4-in. pavement, either of Portland cement or asphaltic cement concrete, will be laid, the work including grading and construction of culverts. Certified check for 10% required. Plans and specifications on file at office of County Clerk and at office of Chas. Petit, County Surveyor.

TUSCON, Ariz.—Goodman & Merrill were awarded the contract for constructing the Tanque Verde-North Branch road, about 5½ miles, for the Pima County highway system, at 45c cu. yd. for excavating, $17 cu. yd. for concrete and $1.25 cu. yd. for surfacing. Albert Steinfeld & Co. were awarded the contract at $4.30 per bbl. gross for furnishing 320 bbls. of cement for use on this section. L. E. Barker, County Highway Engineer.

LOS ANGELES, Los Angeles Co., Cal.—Geo. H. Oswald, 366 E. 58th St., was awarded the contract at $18,371.26 for improving Avenue 50 between Terrace 50 and Baltimore St., involving 51,160 sq. ft. grading at 19c ft.; 51,100 sq. ft. finishing grade, oiling and rolling at 6c ft.; 2285 lin. ft. cement curb at 60c ft.; 10,230 sq. ft. cement sidewalk at 20c ft.; 4738 sq. ft. concrete gutter at 27c ft.; reinforced concrete pipe culvert at $550 and wooden retaining wall at $350. No other bids received.

VENTURA, Ventura Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at $104,599.60 on bids opened March 6 for paving with asphaltic concrete the Camarillo road, involving (a) 16,000 cu. yds. excavation at 80c yd.; (b) 30,930 lin. ft. shaping road bed at 16c ft.; (c) 6,110 cu. yds. Class A concrete paving, no bid; (d) 262 cu. yds. Class B concrete in culverts at $20 yd.; (e) 90 ft. 36-in. corrugated metal pipe at $6 ft.; (f) relaying 30 ft. 18-in. pipe at $1 ft.; (g) 17,000 lbs. reinforcing steel at 10c lb.; (h) 1600 ft. B. M. timber in bridge at $100; (i) 484,880 sq. ft. asphaltic concrete paving at 16c ft. The contract was let on an alternate bid. All other bids were for concrete paving as follows:

C. H. Hudson, Los Angeles—(a) 75c, (b) 20c, (c) $5.70, (d) $20, (e) $6, (f) $2, (g) 10c, (h) $100; total, $60,713.

Geo. S. Benson & Sons, Los Angeles—(a) 80c, (b) 20c, (c) $6, (d) $20, (e) $6, (f) $200, (g) 11c, (h) $200,; total, $63,686.

The county was to have furnished cement, sand and gravel estimated to cost $46,946 if a concrete pavement was laid making the total cost for a concrete road under the lowest bid $104,657. Chas. Petit, County Surveyor.

VENTURA, Ventura Co., Cal.—City Engineer J. B. Waud has been instructed to prepare plans and specifications for paving the following streets: Front St. between California and Hemlock; Metal St. between Spruce and Crimea; Santa Clara St. between Spruce and California; Spruce St. between Main and Meta; Poli St. between Oak and Hemlock, and Buena Vista St. between Chestnut and Kalorama. These streets will be included in one paving district. The cross streets in the city will be included in another district.

HOLTVILLE, Imperial Co., Cal.—Geo. H. Oswald, 366 E. 58th St., Los Angeles, was awarded the contract at $56,868.15 for paving city streets under resolution No. 106, and the contract at $55,608.62 for paving under resolution No. 107. Geo. R. Daley submitted the only other bid at $59,025.41 under resolution 106, and at $57,069.44 under resolution 107. All paving will have 2½-in. bituminous base with 1½-in. Warrenite surface except that on Holt avenue, and a portion of Walnut avenue, which will have 3½-in. base. Oswald bid 26.4c sq. ft. on the 4-in. paving and 30c sq. ft. on the 5-in. paving. Daley bid 27.2c sq. ft. for 4-in. and 32c sq. ft. for 5-in. paving.

PHOENIX, Ariz.— The City Commission has instructed the City Manager to enter into contracts with the Redwood Manufacturers Co. and the Pacific Tank & Pipe Co. for furnishing and laying a wood stave pipe line for the Verde gravity water system. There will be 32 miles of 36-in. pipe, the contract being about equally divided between the two companies.

INGLEWOOD, Los Angeles Co., Cal. —Bids will be called for soon for a booster pump for the city water plant. A centrifugal pump of 400 to 1200 gallons capacity will be installed. Olmsted & Gillelen, Hollingsworth Bldg., Consulting Engineers.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed resolutions of intention providing for the following improvements: G street between Divisadero and Fresno street by grading, constructing cement concrete curbs, corrugated metal culverts with manholes and inlets and oiling between curb lines.

Illinois avenue between First and Ninth streets, by grading, constructing cement concrete curbs and gutters, sidewalks, corrugated metal culverts with manholes and paving with asphalt concrete base 2½ inches thick with Warrenite-Bitulithic wearing surface 1½ inches thick.

Improvement of the alley in Block of Van Ness Park and Berry Tract from Belmont avenue to Bremer avenue by grading and paving with cement concrete base 4 inches thick with a Warrenite-Bitulithic wearing surface 1½ inches thick.

SAN RAFAEL, Marin Co., Cal.—To improve the road between Pt. Reyes Station and the Tomasini Ranch, will cost $12,000, according to estimates presented the County Supervisors. Action on the report submitted was deferred until property owners were given a hearing regarding the improvement.

Steps for the construction of a concrete road, 16 feet wide, with concrete curbs and gutters, in Ridgeway Park will be taken at the next meeting of the County Board.

Eugene D. Graham is County Clerk.

YUBA CITY, Sutter Co., Cal.—The contract for the construction of the first unit of the Sutter County Highway System, 4.01 miles running from Yuba City southward, has been awarded by the County Supervisors to the Federal Construction Co., Call Bldg., San Francisco, at $26,085 per mile for concrete construction 4½ inches thick. The only other bidder was the Clark & Henery Constr. Co. at $27,290 per mile. The estimate of the County Engineer was $26,266.

For the asphalt base and Warrenite top the Federal Company submitted a bid of $24,880 per mile and Clark & Henery, $25,940 per mile. The engineer's estimate for asphalt type was $22,855. No bids were submitted on water bound macadam type.

SEBASTOPOL, Sonoma Co., Cal.—The City Trustees have authorized the survey and preparation of specifications for the improvement of the roadbed by the construction of a petrolistic cement pavement and partial concrete curbs and gutters in Petaluma avenue from the city limits to Baxter avenue, Baxter avenue, and South Main street to the present paving.

J. S. Saunders is City Clerk.

FAIRFIELD, Solano Co., Cal.—G. G. Halliday, County Clerk, will receive bids up to April 5th, 11 A. M., for grading and paving a portion of the Vallejo-Napa road (Road No. 85) from the end of the present concrete pavement near Flosden station southerly to a point about one mile north of the limits of the City of Vallejo, in No. 1 Road District.

Certified check of 10% payable to D. M. Fleming, Chairman of the Board of Supervisors, must accompany each bid.

YREKA, Siskiyou Co., Cal.—The County Supervisors at their last meeting appropriated $10,000 as the county's share in the construction of the Forks of Salmon-Somes Bar road. A like appropriation will be made by the Government.

W. J. Neilon is County Clerk.

LODI, San Joaquin Co., Cal.—Charles Freshour has been given a contract by the City Trustees to lay 600 feet of sewer in the Flora Street addition and 300 feet in South Church street. Freshour agrees to do the work for 18 cents per foot.

REDWOOD CITY, San Mateo Co., Cal —The Trustees at their last meeting approved plans and specifications prepared by C. L. Dimmitt, City Engineer, for the improvement of streets in the Redwood Highlands District. The work will be carried on under the supervision of Ed. Dearborn, Street Superintendent, and the City Engineer.

BAKERSFIELD, Kern Co., Cal.—Council has ordered the paving of G street from 18th to 15th street; 16th street from B street to Chester avenue, and 14th street from K street to Chester avenue.

Pacific PIPE

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New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

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Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

FRESNO, Fresno Co., Cal.—Bids will be received by D. M. Barnwell, County Clerk, up to 2 P. M., April 5th, for improving County Highway Route 16, Section "A."

Bids will be received on four specifications. Chris P. Jensen is County Highway Engineer.

CLOVIS, Fresno Co., Cal.—Bids will be received by L. E. Weldon, City Clerk, up to March 23rd, for the new pumping plant to be installed at the city water works from plans prepared by Engineers Jensen & Ross, Patterson Block, Fresno, Cal.

VENTURA, Ventura Co., Cal.—T. E. Hill & Co., 1011 Washington Bldg., Los Angeles, was awarded the contract at $42,002.34 on bids opened March 6 for paving Grand Ave. and road through Bardsdale, county to furnish cement, sand and gravel, involving (a) 8067 cu. yds. excavation at 78c yd.; (b) 23,823 lin. ft. shaping road bed at 19c ft.; (c) 4716 cu. yds. Class A concrete paving at $5.54 yd.; (d) 212 cu. yds. Class B concrete in culverts at $15.68; (e) 33 cu. yds. Class B concrete in ditch lining at $14.36; (f) 28 ft. 24-in. corrugated metal pipe at $4 ft.; and 12,080 lbs. reinforcing steel at 9½c lb. Other bids received were:

C. H. Hudson, Los Angeles—(a) 90c; (b) 20c; (c) $6; (d) $20; (e) $15; (f) $4; (g) 10c; total, $46,375.30.

Geo. S. Benson & Sons, Los Angeles—(a) $1; (b) 20c; (c) $5.60; (d) $20; (e) $10; (f) $4.50; (g) 11c; total, $45,265.40.

Chas. Petit, County Surveyor.

SACRAMENTO, Cal.—Bids for the completion of the West Side Highway, extending all the way from Sacramento to Red Bluff, will be called by the State Highway Commission during the month of April, according to information given out at Sacramento. The engineer's layout for the work between Woodland and Zamora, in Yolo County, a distance of eleven miles, has been approved.

MONROVIA, Los Angeles Co., Cal.—City Engineer H. S. Gierlich is preparing plans and specifications for improvements to the municipal water system under the $90,000 bond issue recently voted. These include a 1,000,000 gallon unit of a new 2,000,000 gallon reinforced concrete reservoir, new deep wells and pumps and new mains.

OAKLAND, Cal.—The City Council, L. W. Cummings, Clerk, has passed a resolution of intention providing for the improvement of portions of Second, Third, Fifth, Sixth, Seventh, Eighth, Ninth, Tenth, Eleventh and Twelfth avenues and portions of East 14th, East 15th, East 16th East 17th and East 18th streets. (All under resolution No. 19870 N. S.), by construction of concrete curbs and gutters, corrugated iron and concrete culverts, reinforced concrete bridges, valleys, etc.

LOS ANGELES, Los Angeles Co., Cal.—Lacy Mfg. Co., Washington Bldg., Los Angeles, was awarded the contract for furnishing the Board of Public Service with 1500 tons of 24-in. riveted steel pipe for a new water main from Vermont to Main on 11th and 12th Sts. The main will cost $125,000.

LOS ANGELES, Los Angeles Co., Cal. Fairchild-Gilmore-Wilton Co., has asked the Board of Public Works to release it from contracts aggregating $487,359 for paving in the Second St. Improvement District, San Pedro, and Paving of Brand Blvd. These contracts were awarded months ago and the company claims the prices of labor and materials in some instances have since advanced as much as 100%.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by County Clerk, J. H. Wells, up to April 5th, 11 A. M., for the construction of a steel and concrete subway under the tracks of the S. P. Railway and A. T. & S. F. Railway, west of Pittsburg.

R. R. Arnold is County Engineer.

MARTINEZ, Contra Costa Co., Cal.—Up to April 5th, 11 A. M., bids will be received by County Clerk J. H. Wells for building an oil macadam pavement on Main street in the town of Bay Point.

Separate bids will be opened on the same date for the construction of Section 2 of Division No. 15, which lies between junction of Market and Kearney streets, Richmond, and running toward the town of Giant.

Plans may be had from the office of County Engineer R. R. Arnold.

HAYWARD, Alameda Co., Cal.—At the last meeting of the Trustees Town Engineer Holly reported that property owners in Prospect street were signing a private contract to grade, pave and gutter that thoroughfare and Warren street.

M. B. Templeton is City Clerk.

OROVILLE, Butte Co., Cal.—No bids being received by the County Supervisors, the proposed Clark road improvement at Paradise was ordered done by day labor under the supervision of County Engineer Martin C. Polk.

C. F. Belding is County Clerk.

EL CENTRO, Imperial Co., Cal.—Following are the bids received by the Supervisors of Imperial County for paving four sections of county highway under the $1,500,000 bond issue; contractor to furnish all materials:

Contract No. 1, 11.1 miles, Brawley to Calipatria—C. H. Hudson, Marsh-Strong Bldg., Los Angeles—(a) grading, under 1 ft., 4½c sq. ft.; (b) excavating, 75c cu. yd.; (c) 3½-in. bituminous base with 1½-in. Warrenite surface, 34c sq. ft.; (d) 5-in. concrete base, 1:3:6 mix, and 1½-in. Warrenite surface, 47c sq. ft.; (e) 5½-in. plain concrete, 1:2:4 mix, 41c sq. ft.

Los Angeles Paving Co.—(a) 6c, (b) $1.20, (c) 35c, (d) no bid, (e) no bid.

George R. Daley, San Diego—(a) 5c, (b) $1.00, (c) 35c, (d) no bid, (e) no bid.

Contract No. 5, 10 miles, Brawley to Holtville—Geo. H. Oswald, 366 E. 58th St., Los Angeles—(a) 5½c, (b) $1.00, (c) 34½c, (d) 43c, (e) 40c.

L. A. Paving Co.—(a) 6c, (b) $1.20, (c) 35c, (d) no bid, (e) no bid.

Clarke & Henery Construction Co., Stockton—(a) 5c, (b) $1.00, (c) 37.4c, (d) no bid, (e) no bid.

Geo. R. Daley—(a) 5½c, (b) $1.00, (c) 35c, (d) 44½c, (e) 40½c.

C. H. Hudson—(a) 4½c, (b) $1.25, (c) 36c, (d) 47c, (e) 41c.

Contract No. 6, 10 miles, Calexico to Heber—Clarke & Henery Construction Co., Stockton—(a) 5c, (b) 78c, (c) 31.4c, (d) no bid, (e) no bid.

L. A. Paving Co—(a) 6c, (b) $1.00, (c) 31½c, (d) 38½c, (e( no bid.

Geo. R. Daley—(a) 5c, (b) $1.00, (c) 33c, (d) 40c, (e) 37½c.

Contract No. 7, 5 miles, Heber to El Centro—Geo. R. Daley, San Diego—(a) 5c, (b) $1.00, (c) 32c, (d) 39c, (e) 37c.

L. A. Paving Co.—(a) 6c, (b) $1.00, (c) 31½c, (d) 38½c, (e) no bid.

Clarke & Henery Construction Co.—(a) 5c, (b) $1.40, (c) 34c, (d) no bid, (e) no bid.

SANTA ROSA, Sonoma Co., Cal.—Following bids were received by the Sonoma County Supervisors for County highway construction:

**Petaluma-Valley Ford Highway, "Section B." in Second Road District.**

**A. J. Fairbanks, Willits**—Excavation, $1.20; water bound gravel highway, $62,600; water bound macadam, $93,500; concrete, $148,000; concrete in head walls, $30.

**Healdsburg to Napa County Line Highway, "Section B," in Fourth Road District.**

**A. J. Fairbanks, Willits**—Excavation, 0.75; guard fence, $2,25; other fence, $1.10.

**Petaluma-Sonoma Highway, "Section "A," in First Road District.**

**W. A. Dontanville, Lodi**—Excavation, $0.90; concrete highway, $105,000; concrete in head walls, $28.

**George W Conners and Henry Hansen,** $1.20 for the excavation, and $61,600 for a water bound macadam roadway.

**Petaluma-Valley Ford Highway, "Section A," in Second Road District.**

**A. J. Fairbanks, Willits**—Excavation, $1.20; water bound macadam roadway, $118,635; concrete, $209,360; concrete in head walls, $30.

The bids were taken under advisement.

NAPA, Napa Co., Cal.—The City Council has awarded a contract to George E. Errington, E-Third St., Napa, at $2,946.77 for the improvement of Pattchett street from Oak to Second street.

STOCKTON, San Joaquin Co., Cal.—The City Council, A. L. Banks, City Clerk, has passed a resolution of intention providing for the construction of a system of lateral sewers, with house connections, manholes with automatic flushers and without flushers and curved branches in Blocks 2, 3, 4, 5, 6, 7, 8, 9 and 10 and across the following streets:

Elizabeth Ave., Ramona Ave., Allston Way, Carmel Ave., Lomtia Ave., Walnut St., and a portion of Bedford Road.

PRESCOTT, Ariz.—J. W. Waara has been retained by the City Council as engineer for the storage part of the new water system, the work pertaining to the distributing system under the $350,000 bond issue to be handled by the City Manager. Mr. Waara will prepare plans and specifications for the proposed dams and appurtenances. J. H. Mulrein was awarded the contract to furnish tools and supplies for a portion of the system, except cast iron.

HAYWARD, Alameda Co., Cal.—Town Engineer Holly has been instructed to prepare plans for the construction of a sewer in Atherton street.

M. B. Templeton is City Clerk.

PHOENIX, Ariz.—Warren Bros. Co., of Boston, submitted the only bid for constructing highways under the $4,000,000 Maricopa County bond issue; bids opened March 6. The unit prices are as follows less cement and freight on rock, sand and asphalt:

| | 18 ft. wide. | 16 ft. wide. | 9 ft. wide. |
|---|---|---|---|
| Concr. pav., sq. yd. | $2.02 | $2.03 | $2.38 |
| Warrenite, bit. base, sq. yd. | 2.10 | 2.17 | 2.30 |
| Topeka, bit. base, sq. yd. | 2.26 | 2.27 | 2.40 |
| Warrenite on rock, sq. yd. | 2.06 | 2.07 | 2.24 |
| Topeka on rock, sq. yd. | 2.16 | 2.17 | 2.34 |

Earth excavation, cu. yd., 95c.; loose rock excavation, cu. yd., $2.00; solid rock excavation, cu. yd., $4.00; concrete in headwalls and culverts, county to furnish cement, cu yd., $24; reinforced concrete, county to furnish cement and steel, cu. yd., $27.75. The unit prices on Warrenite top are exclusive of royalty of 10c per sq. yd., which makes the unit price for Warrenite and Topeka top the same. Bids for concrete paving are based on 6-in., one-course pavement, county to furnish cement; bids on Warrenite and Topeka on a 4-in. bituminous base with 2-in. top and with a compressed filled crushed rock base 6-in. thick with 2-in. top. The bid of Warren Bros. Co. was taken under advisement. Bids for furnishing 600,000 bbls. Portland cement and 54,000 tons bitulithic cement and 54,000 tons asphalt will be received by highway commission on March 10.

According to an estimate made by Warren Bros. Co. the total cost per mile of paving on its bid under various specifications would be as follows: For Warrenite-bitulithic pavement 16 ft. wide, $29,019; 9 ft. wide, $18,130; compressed filled crushed rock base with Warrenite top, 16 ft. wide, $26,016; 9 ft. wide, $16,658: The freight rate on stone and sand is estimated in these

prices at 60c cu. yd. An estimate prepared by Warren Bros. Co. on one-course concrete paving; estimating the price of cement at mill at $1.60 per bbl. and freight rate on same at $4 per ton, shows the cost under its bid at $28,644 per mile for a 16-ft. pavement and $19,133 per mile for a 9-ft. pavement. The total number of miles of road to be built under the bond issue, as fixed in the original program, is 278 miles. The total cost of paving 278 miles at the lowest estimated price per mile, for a rock base with Warrenite top 9 ft. wide, would be $4,638,924.

SANTA ROSA, Sonoma Co., Cal.—At the last meeting of the County Supervisors the contract of A. J. Fairbanks to build Section B of the Petaluma-Sonoma highway was canceled by the board and his bonds released. This was done, it is said, because the project has been questioned by the District Attorney.

W. W. Felt Jr., is County Clerk.

CARSON CITY, Nevada.—The State Highway Commission, C. C. Cottrell, Chief Engineer, has awarded a contract to the Nevada Contrating Co., Fallon, Nevada, for the construction of the West Side Walker Lane (Mineral 3-E) highway on its bid of $166,689. Other bidders were:

| | |
|---|---|
| W. J. Schmidt | $191,642.00 |
| Mathews Construction Co. | 194,030.00 |
| W. S. Norris | 257,821.04 |

The bid of the Mathews Construction Co. was irregular and was not considered.

BERKELEY, Alameda Co., Cal.—The City Council has awarded a contract to the Oakland Paving Company, 5000 Broadway, Oakland, for the improvement of Broadway northerly to Hillcrest road by grading, constructing concrete curbs and gutters and paving with a vitrified brick on a concrete foundation.

HOLLISTER, San Benito Co., Cal.—Bids will be received by the City Clerk up to March 29th, 8 P. M., for the construction of a 10-inch sewer connection with the system at South and Sally streets.

SANTA CRUZ, Santa Cruz Co., Cal.—At the last meeting of the City Council a petition was presented asking the construction of a bulkhead which will allow the extension of the Eeast Cliff Drive along the San Lorenzo River, through the Barson property, to a junction with the cut-bias bridge.

HANFORD, Kings Co., Cal.—Contracts for the paving of Douty, Redington, Porter and Ninth streets have been awarded by the City Council to C. E. Blanchard Co 58 Second St., San Francisco, they being low bidders, as follows:

| | |
|---|---|
| Redington street | $96,148.94 |
| Douty street | 86,212.44 |
| Ninth street | 45,030.78 |
| Porter street | 21,219.07 |

Bids were also submitted by Hugh Crummey, Federal Construction Co., and the California Road & Street Improvement Co.

The contract for the construction of the storm sewer was awarded to the same company at $85,961.75.

FOWLER, Fresno Co., Cal.—Preliminary steps have been taken by the City Council for paving several streets. It is planned to improve the thoroughfares connecting with the State highway on the west with Adams avenue and Wildflower road. Wildflower road is to be paved by the county, the work being now in progress. A 20-ft. pavement will extend from where the Fowler paving of Merced street ends to where the county paving of Adams street leaves off east of the town. The pavement connecting Merced street and the Wildflower road will be 16-ft. in width.

HANFORD, Kings Co., Cal.—The City Council has ordered the improvement of Harris, Myrtle, Elm, Katherine and a portion of Douty street, plans for the work having been aproved at the last meeting.

D. C. Williams is City Clerk.

RICHMOND, Contra Costa Co., Cal.—The contract awarded by the City Council to G. W. Cushing for the improvement of 47th street has been rescinded by the City Council and proceedings ordering the work withdrawn.

A. C. Faris is City Clerk.

RICHMOND, Contra Costa Co., Cal.—City Engineer Chapman has completed plans for the improvement of Wall avenue from Forty-first street to the city limits.

A. C. Faris is City Clerk.

VALLEJO, Solano Co., Cal.—The City Council has decided to call bids under one contract for the construction of sidewalks in various sections of the city. The work is estimated to cost $45,000. Alf. E. Edgecumbe is City Clerk.

CARSON CITY, Nevada.—The State Highway Commission, recently reorganized, has approved the road west of Washoe Lake as the route for the Reno-Carson state highway. A request will be made of the Federal Government to appropriate $185,000 for its construction.

C. C. Cottrell is State Highway Engineer.

OAKLAND, Cal.—Bids will be received by L. W. Cummings, City Clerk, up to 12 M., March 25th, for the improvement of 30th street, from the west line of 23rd avenue to the east line, produced, of 21st avenue, as it exists between East 29th and 30th streets, by grading, constructing concrete curbs and gutters and paving with oil macadam, corrugated iron culverts, etc.

PETALUMA, Sonoma Co., Cal.—The City Council has awarded contracts for furnishing and delivering cement sand to be used in the improvement of Main and Third streets to the Golden Eagle Milling Company of Petaluma and the E. B. & A. L. Stone Company of San Francisco, respectively.

The awards were made on recommendation of the engineers, Howe & Peters, 24 California street, San Francisco, who prepared plans for the work.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Peralta avenue northeasterly of Carmel street, by the construction of an 8-inch vitrified pipe sewer, pipe lamphole, Y branches, etc.

OAKLAND, Cal.—Bids will be received by L. W. Cummings, City Clerk, up to 12 M. March 18th, for the improvement of 9th street, from the west line of Clay to the east line of Jefferson street, by grading, constructing concrete curbs, brick gutters and paving with asphalt.

Separate bids will be received on the same date for the improvement of 21st avenue from the northeast line of East 12th street to the southwest line of East 14th street, by grading, constructing concrete curbs and gutters, paving with oil macadam and construction of

# Official Proposals.

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN that the Board of Trustees of the Modesto High School District of Stanislaus County, State of California, will at the offices of the said Board at the High School Building on H Street Modesto, California, **on the 23rd day of March, 1920, at 7:30 P. M., of that day,** receive and consider sealed bids for the material for and installation of a lawn sprinkling system for the lawn of the said High School, according to the plans and specifications submitted by the bidder.

All bids must be sealed and filed with the Clerk of said Board of Trustees prior to 7:30 P. M., on the 23rd day of March, 1920, and be accompanied by a certified check on some solvent bank of the State of California for ten percent of the amount of the bid submitted, which check shall be made payable to the president of the Board of Trustees, which check is required as guarantee that the successful bidder will within two days after the notice of the award of the contract to him enter into a satisfactory contract with the Board of Trustees the amount thereof to be retained as liquidated damages in event said contract is not entered into by such contractor.

The Board of Trustees reserves the right to accept and reject any and all bids.

Dated this 1st day of March, 1920.

KATHLEEN G. PREWETT,
Clerk of the Board of Trustees of the Modesto High School District. (tf)
March 5, 1920.

### STATE OF NEVADA

### DEPARTMENT OF HIGHWAYS.

### MATERIALS FOR STATE HIGHWAY CONSTRUCTION.

### NOTICE TO BIDDERS.

SEALED PROPOSALS will be received by undersigned **until 2:00 o'clock P. M., April 5, 1920,** for the furnishing of the following materials for State Highway construction:

70,000 barrels Portland Cement in cloth bags, f. o. b. cement mills.

Specifications may be obtained at office of undersigned.

Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.
(3367°) E

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned to 2 o'clock **P. M., March 22, 1920,** for the furnishing and fabrication of the metal for two 126 foot through Pratt truss highway spans containing 190,000 pounds of structural steel and castings.

Plans may be examined and forms of proposal secured at office of under-

signed, may also be secured at the County Clerk's Office in Las Vegas, Nevada. Bids must be on the proposal form of the Highway Department accompanied by certified check in the amount of 5% of the bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### BIDS WANTED FOR REMODELING BARRACKS.

YOUR attention is invited to the fact that proposals will be opened in the near future for drawings and specification No. 4147, covering remodeling Barracks Building No. 53, Marine Reservation, Navy Yard, Mare Island, California.

The drawings and specifications may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., or to the Commandant, Navy Yard, Mare Island, California, by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The building is about 500 feet long, including the two wings and 25 feet wide, with two wings about 44 feet deep and a kitchen extension about 35 feet wide and 54 feet long. The remodeling will consist of the general renovation of the building and will include re-arrangement of partitions; removal of certain walls and chimneys; replacing damaged stone work with concrete; new concrete floors in certain other rooms and repairs to others; new wood floors in certain other rooms; new plastering; repairs to roof; new steel stairs on veranda; new wood trim; screens for all exterior openings; new doors and windows, including frames and glass; painting of the building; new hardware; re-arrangement of and additions to the plumbing system; new electric lighting system and other incidental work.

The estimated cost is $35,000.00.

R. L. MARTIN,
Lieutenant Commander, C. E. C., U. S. Navy.
By direction of Public Works Officer.
(33740) 1st report March 9, 1920.

### NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 M., Tuesday, April 13, 1920,** said bids to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete furnishing and installing of Two Gearless Traction Passenger Elevators in the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefor, copies of which specifications may be obtained on application to the State Department of Engineering, Sacramento, California; full detailed plans of this building may be seen at the offices of Bliss and Faville, Architects, Balboa Building, San Francisco, California.

Said bids must be submitted on forms furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

(SIGNED) W. F. McCLURE
State Engineer.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS for constructing the Somes Bar Bridge across the Salmon River in the Klamath National Forest, Siskiyou County, California, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Bldg., San Francisco, Cal., until **2:00 P. M. o'clock on the 29th day of March 1920,** at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The location is about ½ mile below Somes Bar and 8 miles above Orleans, on the Klamath River Road. It is about 77 miles from Trinidad, the terminus of the N. W. P. Ry.

The work consists of erecting a steel truss on concrete pier and abutment, with 70 ft. of timber trestle approach. The principal items are 1-160' steel truss; 77 cu. yds. Class A Concrete; 76 cu. yds. of Class B Concrete; 30 M. B. M. lumber.

A road was constructed last year from Orleans to a point ¾ mile from the bridge and a contract has been let for the section extending from this point to the Salmon River and on up the Klamath. Work has been started on this contract and instructions given the contractor to begin at this end so as to open the road up to the bridge site as soon as possible. This will open up the road to the bridge site probably by May 1, 1920, and the road will be kept open during the construction season.

The work embraced in this contract shall be completed within 200 weather working days.

The contract form and the maps, plans, specifications, and estimates of quantities may be examined by responsible contractors at the following addresses

886 Mills Bldg., San Francisco, Cal.
Forest Supervisor, Orleans, Cal.

All proposals must be made on form, and in accordance with instructions, forming a part of the specifications above referred to.

C. H. SWEETSER,
District Engineer.

### NOTICE TO DREDGING CONTRACTORS.

Board o. State Harbor Commissioners, Union Depot and Ferry House, San Francisco, California, March 11th, 1920.

SEALED PROPOSALS or bids will be received at this office at or prior to **11 A. M., on Monday, March 22, 1920,** for furnishing labor and equipment and dredging Islais Street Channel 250 ft. wide and 36 ft. below City Datum from the 36 ft. contour (referred to City Datum) in San Francisco Bay to the line of Kentucky Street in San Francisco.

The work herein contemplated shall be done in strict accordance with the specifications and plans prepared therefore by the Chief Engineer of the Board and adopted by the Board December 26, 1919, and on file in this office, to which special reference is hereby made.

Each bidder shall state a price per cubic yard place measurement for which he will furnish all labor, equipment and material and do the work herein specified for **Dredging Islais Street Channel.**

No bid will be received unless it is made on blank form furnished from this office and is accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within Six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the amount payable by the terms of the contract, with a corporation thereunto duly authorized by law and commonly known as a surety company, as surety (such surety company to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the office of the Secretary), and conditioned for the faithful performance by the contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done, or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefits of material men, mechanics and laborers as provided by that certain Act of the Legislature of the State of California approved May 1, 1911 (Stats. 1911, p 1422). Said bond must be acceptable to and approved by said Board, both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the office of the Secretary, Room No. 17, Union Depot and Ferry House, at or prior to 11 o'clock A. M., on Monday, March 22, 1920, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing $10.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid:

"Bid For Dredging Islais Street Channel."

J. H. McCALLUM,
H. H. COSGRIFF,
F. S. MOODY,
Board of State Harbor Commissioners.
FRANK G. WHITE,
Chief Engineer.
HILDA GOHRMAN,
Secretary.
(Mar. 11 tf)

### BIDS WANTED FOR BARRACKS BUILDINGS

ATTENTION is invited to the fact that proposals will be opened in the near future for Drawing and Specification No. 4086, covering Barracks Building, Naval Ammunition Depot, Kuahua, Pearl Harbor, T. H.

The drawing and specification may be obtained on application to the Bureau in Washington, D. C., or to the Commandants Navy Yard, Mare Island, Calif., and Naval Station, Pearl Harbor, T. H., by placing a deposit of ten dollars ($10.00), as security for their safe return within five days after the award of the contract.

A frame building is to be constructed for use as barracks for 20 marines. The building will rest on concrete footings and will have drop siding on the exterior walls, sheathed interior partitions and ceilings, wood shingle roof screened porches and exterior openings, and plumbing and electric lighting systems. The barracks will be "U" shaped in plan and will have approximately 2700 square feet of floor area not including porches.

R. L. MARTIN,
Lieutenant Commander, C. E. C., U. S. Navy.
By direction of Public Works Officer.

### CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings as reported to California Development Board by the several clearing house cities for last week showing the amount of increase on corresponding date last year:

| | | Increase |
|---|---|---|
| San Francisco .. | $169,245,759 | $47,152,841 |
| Los Angeles .... | 73,735,000 | 32,872,000 |
| Oakland ..... | 11,192,852 | 2,693,568 |
| Sacramento .... | 6,437,738 | 2,057,520 |
| San Diego ..... | 2,943,385 | 710,213 |
| Fresno ..... | 5,401,711 | 2,978,884 |
| Stockton (b) ... | 6,024,200 | ..... |
| San Jose (b) .. | 6,286,404 | ..... |
| Bakersfield ..... | 1,363,484 | 349,122 |
| Pasadena ..... | 2,609,304 | 1,301,322 |
| Santa Rosa .... | 486,442 | ..... |
| Long Beach .... | 3,231,014 | 1,833,267 |
| Berkeley (b) ... | 3,148,496 | ..... |

(b) Bank debits.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

## BUILDING CONTRACTS

### San Francisco County

| | | | |
|---|---|---|---|
| 540 | Black | Owner | 900 |
| 601 | St. Francis | Morton | 10000 |
| 602 | Same | Same | 9000 |
| 603 | Same | Same | 8000 |
| 604 | Same | Same | 8000 |
| 605 | Garden Homes | Morton | 7000 |
| 606 | Ray Mfg. | Owner | 30000 |
| 607 | Nelson | Owner | 3000 |
| 608 | Rousseau | Owner | 7950 |
| 609 | McClure | Amer. Concrete | 11000 |
| 610 | Raymond | Owner | 500 |
| 611 | Morris | Owner | 500 |
| 612 | Bologna | Owner | 800 |
| 613 | Garbini | Arras | 1200 |
| 614 | Cal Sh't Metal | Owner | 500 |
| 615 | Goodfellow | Commary | 30000 |
| 616 | Healy | Owner | 1500 |
| 617 | Nelson | Owner | 4000 |
| 618 | Terkelaub | Cavanagh | 2700 |
| 619 | Carnegie | McLeran | 46594 |
| 620 | Skelly Est. | Guilfoy | 1247 |
| 621 | York Rlty. | Guilfoy | 1774 |
| 622 | Hohnamann | Olsen | 950 |
| 623 | Swift | Larsen | 8000 |
| 624 | Steffen | Larsen | 2500 |
| 625 | United | Ellington | 3000 |
| 626 | Woodward | Owner | 1500 |
| 627 | Vodden | Owner | 6000 |
| 628 | Kolas | Owner | 500 |
| 629 | Stern | Owner | 1850 |
| 630 | Union Oil | Owner | 6000 |
| 631 | Janssen | Owner | 3950 |
| 632 | Tynan | Taylor | 1493 |
| 633 | Demartini | Johnson | 1250 |
| 634 | Pacific Box | Ludwig | 6000 |
| 635 | Cowell | Owner | 40000 |
| 636 | Rodin | Todhunter | 900 |
| 637 | Welsh | Owner | 6000 |
| 638 | Peneniou | Healing | 3000 |
| 639 | Castagne | Bourdieu | 7000 |
| 640 | Harder | Owner | 4400 |
| 641 | Esposto | Owner | 1500 |
| 642 | Nelson | Owner | 3000 |
| 643 | S. F. Library | Graper | 1695 |
| 644 | Same | James | 3305 |
| 645 | Same | Coleman | 1837 |
| 646 | Same | Newbery | 980 |
| 647 | Same | Barrett | 56327 |
| 648 | Same | Gladding | 7775 |
| 649 | Same | Coleman | 1310 |
| 650 | Same | Graper | 1585 |
| 651 | Same | Newbery | 810 |
| 652 | Same | Gladding | 5200 |
| 653 | Same | James | 2955 |
| 654 | Bertram | Meyer | 10700 |
| 655 | McClure | Pasqualetti | 10500 |
| 656 | Tynan | Taylor | 1493 |
| 657 | Slade | Hill | 500 |
| 658 | Gavan | Reedy | 3140 |
| 659 | Denigan | Bovyer | 1000 |
| 660 | Toussaint | Owner | 1500 |
| 661 | Scales | Grace | 8000 |
| 662 | Hughes | Hansen | 12000 |
| 663 | Crocker | Samuelson | 3900 |
| 664 | Fraser | Mohler | 5000 |
| 665 | Nielson | Mohler | 5000 |
| 666 | Mohler, | Owner | 10000 |
| 667 | Fotheringham | Mitchell | 690 |
| 668 | Buckley | Western | 950 |
| 669 | Schmidt | Bosch | 1590 |
| 670 | Ray | Hurley | 10758 |
| 671 | Breitman | Arnott | 2850 |
| 672 | Strassberger | Barrett | 900 |
| 673 | Croal | Gesso | 5800 |
| 674 | Jonas | Unit | 12000 |
| 675 | United | Brown | 5000 |
| 676 | Perkins | Binet | 600 |
| 677 | King | Lewis | 5750 |
| 678 | Maxwell | Wagner | 1800 |
| 679 | Hatter | Hardy | 2800 |
| 680 | Allen | Hamill | 40000 |
| 681 | Roth | Lewis | 5400 |
| 682 | Smith | Finnegan | 10000 |
| 683 | Caro | Fontanella | 1850 |
| 684 | Myers | Owner | 1350 |
| 685 | Paladini | Scully | 20000 |
| 686 | Met. Life | Peterson | 18005 |
| 687 | Weisbein | Nelson | 26050 |
| 688 | Widman | Stevenson | 2670 |
| 689 | Haber | Heaphy | 2850 |

### PERMITS.

FRAME DWELLING
(601) E JUNIPERO SERRA BLVD. 100 S St. Francis Blvd. Twe-story and basement frame dwelling.
Owner—St. Francis Home Building Co., 278 Post St., San Francisco.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, 180 Jessie St., San Francisco.
COST, $10,000

FRAME DWELLING
(602) E JUNIPERO SERRA BLVD. 150 S St. Francis Blvd. Two-story and basement frame dwelling.
Owner—St. Francis Home Bldg. Co., 278 Post St., San Francisco.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, 180 Jessie St., San Francisco.
COST, $9000

FRAME DWELLING
(603) W SAN BENITO 150 N San Anselmo. Two-story and basement frame dwelling.
Owner—St. Francis Home Bldg., Co., 278 Post St., San Francisco.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, 180 Jessie St., San Francisco.
COST, $8000

FRAME RESIDENCE
(604) E SAN LEANDRO WAY 40 S Portola Drive. Two-story and basement frame residence.
Owner—St. Francis Home Bldg. Co., 278 Post St., San Francisco.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, 180 Jessie St., San Francisco.
COST, $8000

FRAME DWELLING
(605) W SAN PABLO AVE 220 S Portola Drive. One-story and basement frame dwelling.
Owner—Garden Homes Co., 276 Post St., San Francisco.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, 180 Jessie St., San Francisco.
COST, $7000

FACTORY
(606) BLOCK BOUNDED BY MILTON, Bosworth and Rousseau. One-story brick metal working factory.
Owner—W. S. Ray Manufacturing Co., Milton and Bosworth Sts., San Francisco.
Engineer—John Harnish, 936 Pacific Bldg., San Francisco.
Contractor—Austin Co., Pacific Bldg., San Francisco.
COST, $30,000

DWELLING
(607) NW FORESTSIDE AND ULLOA. One-story and basement framedwlg.
Owner—Fernando Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $3,000

ALTERATIONS
(608) NW FRONT AND PINE. Alterations and changes for stores and offices.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—Rousseau & Rousseau, 110 Sutter St., San Francisco.
Day's work. COST, $7,950

SHOP
(609) S HAYES 137-6 E Gough. One-story and basement brick shop.
Owner—McClure Investment Co., care Architect.
Architect—Frederick H. Meyer, Bankers' Investment Bldg., S. F.
Contractor—American Concrete Co., 785 Market, San Francisco.
COST, $11,000

GARAGE
(610) NO. 509 JERSEY. One-story frame (private) garage.
Owner—L. Raymond, 509 Jersey, San Francisco.
Architect—None.
Day's work. COST, $500

GARAGE
(611) N PALMETTO AVE. 175 W St. Charles. One-story frame( private) garage.
Owner—Mrs. M. E. Morris, 630 Palmetto Ave., San Francisco.
Architect—None.
Day's work. COST, $500

ADDITION
(612) W TAYLOR 125 N Beach. One-story addition for boat shop.
Owner—L. Bologna, 2790 Taylor St., San Francisco.
Architect—None.
Day's work. COST, $800

GARAGE
(613) NO. 1951 EDDY. One-story reinforced concrete private garage.
Owner—J. Garbini, Premises.
Architect—A. S. Bughee.
Contractor—Adam Arras, 110 Jessie St., San Francisco.
COST, $1200

ALTERATIONS
(614) NO. 420 FULTON. General alterations for sheet metal works, etc.
Owner—California Sheet Metal Works. Premises.
Architect—None.
Day's work. COST, $500

STORE BUILDING
(615) SW FIRST AND MINNA. Two-story brick store building.
Owner—Hugh Goodfellow, Insurance Exchange Bldg., San Francisco.
Engineer—W. H. Ellison, 369 Pine St., San Francisco.
Contractor—W. T. Commary, Crocker Bldg., San Francisco.
Cost, $30,000

ADDITION
(616) SW MASON & NORTH POINT. Construct addition to machine shop.
Owner—Healty Tibbitts Constr. Co., 9 Main St., San Francisco.
Architect—None.
Day's work. COST, $1500

DWELLING
(617) W PORTOLA 110 N 14th Ave. Two-story and basement frame dw'g.
Owner—Fernadno Nelson & Sons 2 West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $4000

### RECORDED

ALTERATIONS
(618) NE BUCHANAN AND FULTON W 37-6 N 60 W 25 N 27-6 E 62-6 S 87-6. All work except painting foaiterations to a two-story frame building.
Owner—M. Terkeltaub, 677 McAllister St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—T. A. Cavanagh, 180 Jessie St., San Francisco.
Filed Mar. 8, '20. Dated Mar. 4, '20.
Ready for plaster.....$675
Plaster completed ..... 675
Completed and accepted..... 675
Usual 35 days..... 675
TOTAL COST, $2700
Bond, $1350. Sureties. Alf J. Strom and R. L. Ryder. Limit, 60 days. Forfeit. none. Plans and specifications filed.
NOTE:—Permit reported March 5, 1920, No. 574.

ENCAVATING, ETC.
(619) W POWELL 137-6 N Washington W 137-6XN 68-9. Clearing, excavating, concrete, brick, damp

proofing, lath, plaster, iron work, roofing, sheet metal work, marble, terrazzo, glazing and hardware for North Beach Branch of S. F. Public Library.
Owner—The Trustees of The Carnegie Gift.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor—McLeran & Peterson, Hearst Bldg., San Francisco.
Filed Mar. 8, '20. Dated Feb. 16, '20.
Concrete footings and foundation walls up to 1st floor framing..$ 6989
Structural concrete done..... 6989
Brick work and exterior terra cotta done ..... 6989
Brown coated ..... 6989
Completed and accepted..... 6989
Usual 35 days..... 11649
TOTAL COST, $46,594
Bond, $23,297. Surety, American Indemnity Co. Limit, 225 days. Forfeit, $10. Plans and specifications filed.

**PERMITS.**

SHEET METAL WORK
(620) GOLDEN GATE AND LARKIN. Sheet metal work for Class "C" building.
Owner—Skelly Estate, San Francisco.
Architect—Matt O'Brien, San Francisco.
Contractor—Guilfoy Cornice Works, San Francisco.
COST, $1247

SHEET METAL WORK
(621) SUTTER AND GOUGH. Sheet metal work for a Class "C" building.
Owner—York Realty Co., S. F.
Architect—W. L. Schmolle, San Francisco.
Contractor—Guilfoy Cornice Works, San Francisco.
COST, $1774

ADDITION
(622) NO. 85 BRUCE. Add to dwelling
Owner—W. H. Hohnamann, 254 Miramar Ave., San Francisco.
Architect—None.
Contractor—Olaf Olsen, 41 De Wolf St., San Francisco.
COST, $950

ALTERATIONS
(623) NW DAVIS AND PACIFIC. General alterations; new floors and remove stable fixtures.
Owner—Swift & Co., Pacific and Davis Sts., San Francisco.
Architect—Construction Dept. of Swift & Co., Chicago, Ill.
Contractor—Larsen-Sampson Co., 805 Claus Spreckels Bldg., S. F.
COST, $8000

ALTERATIONS
(624) NW DIVISADERO AND HAYES General alterations and changes for stores.
Owner—J. C. Steffens, 2802 Bush St., San Francisco.
Architect—Owner.
Contractor—Larsen-Sampson Co., 805 Claus Spreckels Bldg., S. F.
COST, $2500

ALTERATIONS
(625) NE FOURTH AND MISSION Sts. Alter store fronts.
Owner—United Cigar Stores Co., 555 Howard St., San Francisco.
Architect—Jos. A O'Shaughnessy, 555 Howard St., San Francisco.
Contractor—E. Ellington, 110 Jessie St., San Francisco.
COST, $3000

ALTERATIONS
(626) NO. 1682 GREAT HIGHWAY. Remodel two flats.
Owner—Amelia Woodward, Prem.
Architect—None.
Day's work. COST, $1500

RESIDENCE
(627) LOT 39 Lincoln Manor. Two-story and basement frame residence.
Owner—Thos. Vodden & Son, 760 Cole St., San Francisco.
Designer—Walter G. Vodden, 760 Cole St., San Francisco.
Day's work. COST, $6000

CONCRETE FOUNDATION, ETC.
(628) NO. 547 MISSOURI. Cement foundation, etc., for dwelling.
Owner—Spiros Kolas, Premises.
Architect—None.
Day's work. COST, $500

ADDITION
(629) NO. 1966 PACIFIC AVE. Add kitchen to dwelling.
Owner—Mrs. Stern.
Architects—Bliss & Faville, 1101 Balboa Bldg., San Francisco.
Day's work. COST, $1850

SERVICE STATION
(630) SE SEVENTEENTH AND Potrero Ave. One-story service station
Owner—Union Oil Co. of California, 247 Mills Bldg., San Francisco.
Architect—Owners.
Day's work. COST, $6000

FRAME DWELLING
(631) E SEVENTEENTH AVE 150 S Cabrillo. One-story and basement frame dwelling.
Owner—E. A. Janssen, 802 Hearst Bldg., San Francisco.
Architect—None.
Day's work. COST, $3950

ADDITION
(632) SW VALLEJO AND LYON. One-story frame addition 15' 6" by 12' for dining room.
Owner—J. J. Tynan, 2460 Lyon St., San Francisco.
Architect—Louis M. Upton, 452 Montgomery St., San Francisco.
Contractor—Taylor & Jackson, 409 Call Bldg., San Francisco.
COST, $1495

**RECORDED.**

UNDERPIN
(633) W GOUGH about 75 S McAllister, 77-6x27-6. Underpinning of west wall of building.
Owner—G. B. Demartini, 770 Vallejo, San Francisco.
Architect—None.
Contractor—J. M. Johnson, California and Polk Sts., San Francisco.
Filed March 9, '20. Dated March 5, '20.
On completion .....$900
Usual 35 days ..... 300
TOTAL COST, $1250
Bond, Sureties, Forfeit, none. Limit, 60 days. No plans or specifications filed.

INCINERATOR
(634) TAYLOR AND BEACH STS. All work of a reinforced concrete incinerator.
Owner—Pacific Box Factory, Taylor and Beach Sts., San Francisco.
Architect—Leland S. Rosener, 723 Insurance Exchange Bldg., 433 California St., San Francisco.
Contractor—Herman T. Ludwig, 636 Jessie St., San Francisco.
Filed Mar. 9, '20. Dated Mar. 8, '20.
On 1st and 15th of each month .. 75%
Usual 35 days ..... 25%
TOTAL COST, $6,000
Bond, $3,000. Sureties, H. Helget and F. H. Masow. Forfeit, none. Limit, 50 days. Plans and specifictions filed.
NOTE: Permit reported March 4, 1920, No. 560.

**PERMITS.**

PACKING HOUSE
(635) N CLAY 89-1 W Sansome. Two-story and basement Class "C" (concrete) packing house.
Owner—I. M. Cowell, 2 Market St., San Francisco.
Architect—Henry H. Meyers, 1201 Kohl Bldg., San Francisco.
COST, $40,000

METAL SHOP
(636) E TENTH 250 S Harrison. One-story frame metal shop.
Owner—C. F. Rodin, 460 29th Ave., San Francisco.
Architect—None.
Contractor—Geo. C. Todhunter, 442 29th Ave., San Francisco.
COST, $900

REPAIR SHOP
(637) S GEARY 53-6 E Eighth Ave. One-story brick repair shop.
Owner—James Welsh, 2040 Balboa St., San Francisco.
Architect—Owner.
Day's work. COST, $6000

(638) NO. 3328 SACRAMENTO. Construct extension to laundry.
Owner—A. Peneniou, Premises.
Architect—None.
Contractor—George Healing, 3665 Sacramento St., San Francisco.
COST, $3000

DWELLING, ETC.
(639) N EIGHTEENTH 125 E Mission. Two-story frame store and dwelling.
Owner—Joseph Castagne, 3146 18th St., San Francisco.
Architect—Gustave Stahlberg, 544 Market, San Francisco.
Contractor—Bourdieau & Louchere, 807 Potrero Ave., San Francisco.
COST, $7000

DWELLINGS
(640) N FULTON 57-6 and 82-6 E 39th Ave. Two one-story and basement frame dwellings.
Owner—John Harder, 870 39th Ave., San Francisco.
Architect—None.
Day's work. COST, $2200 each

DWELLING
(641) NE JEFFERSON AND MASON. One-story and basement frame dwlg.
Owner—Chas. Esposto, 2099 Mason St., San Francisco.
Architect—None.
Day's work. COST, $1500

DWELLINGS
(642) W TWENTY-SIXTH AVE 25, 50 75 and 100 N Balboa. Four one-story and basement frame dwellings.
Owner—N. J. Nelson, 715 26th Ave., San Francisco.
Architect—None.
Day's work. COST, $3000

**RECORDED.**

LIBRARY
(643) N SACRAMENTO 137-6 W Baker N 255-4½xW 137-6. Painting and finishing for Presidio Branch Library.
Owner—City of San Francisco by Board of Trustees of Public Library and Reading Rooms.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor—Harry Graper, 50 Warren St., San Francisco.
Filed March 10, '20. Dated Feb. 16, '20.
Completed and accepted .....$1270
Usual 35 days ..... 425
TOTAL COST, $1695
Bonds, owner, $423.75, material men, $847.50. Sureties, London and Lancashire Ind. Co. Forfeit, $10. Limit, 30 days. Plans and specifications filed.
NOTE: Reported Feb. 26, 1920. No. 504.

(644) HEATING ON ABOVE.
Contractor—James & Drucker, 450 Hayes St., San Francisco.
Filed March 10, '20. Dated Feb. 16, '20.
Oil tank and boiler and roughing in done .....$1850
Completed and accepted ..... 620
Usual 35 days ..... 827
TOTAL COST, $3305
Bond, Sureties, None. Forfeit, $10. Limit, 225 days. Plans and specifications filed.

(645 PLUMBING AND GAS FITTING on above.
Contractor—Alexander Coleman, 706 Ellis St., San Francisco.
Filed March 10, '20. Dated Feb. 16, '20.
Roughed in .....$688.50
Completed and accepted ..... 688.50
Usual 35 days ..... 460.00
TOTAL COST, $1837.00
Bond, Sureties, none. Forfeit, $10. Limit, 225 days. Plans and specifications filed.

(646) ELECTRIC WORK ON ABOVE.
Contractor—F. E. Newbery Electric Co., Call Bldg., San Francisco.
Filed March 10, '20. Dated Feb. 16, '20.
Conduit roughed in .....$367.50
Completed and accepted ..... 367.50
Usual 35 days ..... 367.50
TOTAL COST, $980.00
Bonds, owner, $245; material men, $490. Sureties, London & Lancashire Indemnity Co. Forfeit, $10. Limit, 225 days. Plans and specifications filed.

(647) EXCAVATING, CONCRETE, brick work, terra cotta iron, sheet metal, hardware, plaster, marble, etc., on above.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
Filed March 10, '20. Dated Feb. 16, '20.
Foundations up to 1st floor..$ 7,041
1st floor slabs and girders poured ..... 5,000
Brick and terra cotta up to main cornice ..... 7,041
Brick and terra cotta done and roofing laid ..... 9,082

Brown coated ..... 7,041
Completed and accepted ..... 7,041
Usual 35 days ..... 14,083
TOTAL COST, $56,329

Bonds, owner, $14,082; material men, $28,164.60. Sureties, London & Lancashire Indemnity Co. Forfeit, $10. Limit, 225 days. Plans and specifications filed.

(648) ARCHITECTURAL TERRA cotta on above.
Contractor—Gladding, McBean & Co., Crocker Bldg., San Francisco.
Filed March 10, '20. Dated Feb. 16, '20.
All material delivered .....$6608
Usual 35 days ..... 1167
TOTAL COST, $7775

Bonds, owner, $1943.75; material men, $3887.60. Sureties, London & Lancashire Indemnity Co. Forfeit, $10. Limit, 90 days. Plans and specifications filed.

PLUMBING AND GASFITTING
(649) W POWELL 137-6 N Washington W 137-6xN 68-9. Plumbing and gasfitting for Public Library.
Owner—City and County of San Francisco by Board of Trustees of Public Library and Reading Room.
Architect—G. Albert Lansburgh, 703 Mission St., San Francisco.
Contractor—Alexander Coleman, 706 Ellis St., San Francisco.
Filed Mar. 10, '20. Dated Feb. 16, '20.
Roughed in .....$491
Completed and accepted ..... 497
Usual 35 days..... 328
TOTAL COST, $1310

Bond, none. Limit, 225 days. Forfeit, $10. Plans and specifications filed.
NOTE—Permit reported Feb. 26, 1920 No. 503.

(650) PAINTING AND FINISHING ON above.
Contractor—Harry Graper, 50 Warren St., San Francisco.
Filed Mar. 10, '20. Dated Feb. 16, '20.
Completed and accepted.....$1188
Usual 35 days..... 397
TOTAL COST, $1585

Bonds, Material men, $792.50; owner, $398.25. Surety, London & Lancashire Indemnity Co. Limit, 30 days. Forfeit, $10. Plans and specifications filed.

(651) ELECTRIC WORK ON ABOVE.
Contractor—F. E. Newbery Electric Co., Call Bldg., San Francisco.
Filed Mar. 10, '20. Dated Feb. 16, '20.
Conduit roughed in.....$304
Completed and accepted..... 304
Usual 35 days..... 202
TOTAL COST, $810

Bonds, owner, $202; Material Men, $405. Surety, London & Lancashire Indemnity Co. Limit, 225 days. Forfeit, $10. Plans and specifications filed.

(652) ARCHITECTURAL TERRA cotta on above.
Contractor—Gladding, McBean & Co., Crocker Bldg., San Francisco
Filed Mar. 10, '20. Dated Feb. 16, '20.
Material delivered .....$4426
Usual 35 days..... 780
TOTAL COST, $5200

Bonds, Owner, $1275; Material Men, $2550. Surety, London & Lancashire Indemnity Co. Limit, 90 days. Forfeit, $—. Plans and specifications filed.

(653) HEATING ON ABOVE.
Contractor—James & Drucker, 450 Hayes St., San Francisco.
Filed Mar. 10, '20. Dated Feb. 16, '20.
Oil tank and boiler and roughing in done .....$1662
Completed and accepted..... 554
Usual 35 days..... 739
TOTAL COST, $2955

Bond, $1653. Surety, New Amsterdam Casualty Co. Limit, 225 days. Forfeit, $10. Plans and specifications filed.

FRAME DWELLINGS
(654) W FORTIETH AVE 31-8 N Geary N 80 Wx65.939. All work for three two-story frame dwellings.
Owner—Geo. A. Bertram, 1636 Polk St., San Francisco.
Architect—None.
Contractor—Theodore G. and Rollin E. Meyer, 2628 Anza St., San Francisco
Filed Mar. 10, '20. Dated Mar. 4, '20.
Frames up .....$4925
Brown coated ..... 4925
Completed and accepted..... 4925
Usual 35 days..... 4925
TOTAL COST, $19,700

Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

CONCRETE BUILDING
(655) S HAYES 137-6 E Gough E 27-6xS 120. All work for one-story and basement reinforced concrete building.
Owner—The McClure Investment Co., Care Architect.
Architect—Frederick H. Meyer, 742 Market St., San Francisco.
Contractor—J. Pasqualetti (as the American Concrete Co.), Humboldt Bank Bldg., San Francisco.
Filed Mar. 10, '20. Dated Mar. 1, '20.
On 10th of each month..... 75%
Usual 35 days, including contractor's fee ..... 25%
TOTAL COST not to exceed $10,500.
Contractor to receive, $1000.
Bond, $5250. Surety, Maryland Casualty Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE: 1st report Mar. 9, 1920. No. 609.

CONCRETE WORK, ETC.
(656) NO. 2460 LYON ST. Concrete, carpenter, plumbing, electric wiring, plaster and painting for one-story addition to residence.
Owner—J. J. Tynan, Premises.
Architect—Louis M. Upton and Milton Latham, 452 Montgomery St., San Francisco.
Contractor—Taylor & Jackson, 409 Call Bldg., San Francisco.
Filed Mar. 10, '20. Dated Mar. 5, '20.
Completed and accepted.....$1118
Usual 35 days..... 374
TOTAL COST, $1492

Bond, $750. Surety, American Indemnity Co. Limit, 25 days, after Mar. 9. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Mar. 10, 1920, No. 622.

**PERMITS.**

ALTERATIONS
(657) NO. 1312 BROADWAY. Minor alterations for dwelling.
Owner—Russell C. Slade, 2130 Vallejo, San Francisco.
Architect—None.
Contractor—J. Hill, 1301 Leavenworth St., San Francisco.
COST, $500

ALTERATIONS
(658) NO. 143 CRESCENT AVE. Raise roof and make alterations for dwelling (terrazzo steps, etc.)
Owner—Thos. Gavan, 143 Crescent Ave., San Francisco.
Architect—None.
Contractor—Wm. M. Reedy, 267 Ellsworth St., San Francisco.
COST, $3140

CONCRETE FLOOR, ETC.
(659) NW GEARY AND OCTAVIA. Concrete floor, etc., for market.
Owner—Thos. Denigan, Sr., Pacific Bldg., San Francisco.
Architect—None.
Contractor—Boyyer & Sons, 2407 California, San Francisco.
COST, $1000

DWELLING
(660) E HARRISON 125 S 26th. One-story and basement frame dwelling.
Owner—S. Toussaint, 3043 Harrison, San Francisco.
Architect—None.
Day's work. COST, $1,500

STORES
(661) S O'FARRELL 60 W Mason. One-story brick stores.
Owner—P. S. Scales, First National Bank Bldg., San Francisco.
Architect—None.
Contractor—Grace & Bernieri, 710 Claus Spreckels Bldg., S. F.
COST, $8000

ALTERATIONS
(662) W POWELL 150 N Eddy. Alter and change motion picture theatre.
Owner—W. J. Hughes and H. J. Gosliner, 35 Powell St., San Francisco.
Architect—A. S. Heineman, 130 Post St., San Francisco.
Contractor—H. J. Hansen, 1327 20th Ave., San Francisco.
COST, $12,000

DWELLING
(663) S ROLPH 210 W Morse. One-story and basement frame dwelling.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco.
COST, $3900

(664) W TWENTY-FIFTH AVE 100 N Balboa One-story and basement frame dwelling.
Owner—Simon Fraser, 3877 20th St., San Francisco.
Architect—None.
Contractor—T. E. Mohler, 255 8th Ave., San Francisco.
COST, $5000

DWELLING
(665) W TWENTY-FIFTH AVE. 75 N Balboa. One-story and basement frame dwelling.
Owner—Hans Nielsen, 150 10th Ave., San Francisco.
Architect—None.
Contractor—T. E. Mohler, 255 8th Ave., San Francisco.
COST, $5,000

FRAME DWELLING
(666) W TWENTY-FIFTH AVE 25 and 50 N Balboa. Two one-story and basement frame dwellings.
Owner—T. E. Mohler, 255 8th Ave., San Francisco.
Architect—None.
Day's work. COST, $5000 each

REPAIRS
(667) NO. 4157 TWENTY-FIFTH ST. Repair fire damage to dwelling.
Owner—Alex. Fotheringham, Premises
Architect—None.
Contractor—Thos. F. Mitchell, 1370 Utah St., San Francisco.
COST, $690

ALTERATIONS
(668) NO. 1015 VAN NESS AVE. Concrete floor, install doors, etc., for restaurant.
Owner—C. F. Buckley, 2614 Pacific Ave., San Francisco.
Architect—None.
Contractor—Western Hardwood Mfg. Co., 1034 Golden Gate Ave., S. F.
COST, $950

**RECORDED.**

ADDITION
(669) SECOND TO STERLING STS. Plaster and lathing for addition to building.
Owner—Schmidt Lithograph Co., Prem.
Architect—Fred'k. Whitton, 369 Pine St., San Francisco.
Contractor—Herman Bosch, 740 Duboce Ave., San Francisco.
Filed Mar. 11, '20. Dated Feb. 24, '20.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $1590

Bond, $800. Sureties, H. L. Lynch and L. Bosch. Limit, April 1, 1920. Forfeit, plans and specifications, none.

CONCRETE WORK, ETC.
(670) BLOCK BOUNDED BY Bosworth, Milton, Rousseau and Southern Pacific Tracks. Concrete and cement work, excepting reinforcing steel, for one-story brick, concrete and steel factory building.
Owner—W. S. Kay Manufacturing Co., Milton and Bosworth Sts., S. F.
Architect—The Austin Co., 936 Pacific Bldg., San Francisco.
Contractor—P. Hurley, 578 Elizabeth St., San Francisco.
Filed Mar. 11, '20. Dated Mar. 5, '20.
Foundation up to 1st floor level.$1800
Concrete roof completed..... 4008
Entire work completed..... 2250
Usual 35 days..... 2700
TOTAL COST, $10,753

Bond, none. Limit, 60 days. Forfeit, $50. Plans and specifications filed.
NOTE:—Permit reported Mar. 9, 1920. No. 606.

COTTAGE AND GARAGE
(671) LOT 12, BLK. A, Lakeview Tract. All work for a one and one-half story cottage and garage.
Owner—Max Breitman, 1560 Jackson St., San Francisco.
Architect—None.
Contractor—James Arnott & Son, 2223 19th Ave., San Francisco.
Filed March 11, '20. Dated Dec. 10, '19.
Frame up .....25%
Brown coated ..... 25%
Completed and accepted .....25%
Usual 35 days ..... 25%
TOTAL COST, $2850

Bond, Sureties, Forfeit none. Limit, 90 days. Plans and specifications filed.

### PERMITS

ALTERATIONS
(672) SE EDDY AND TAYLOR. Alter saloon into store.
Owner—I. Strassberger, 411 Montgomery St., San Francisco.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, $900

FRAME DWELLING
(673) E FORTY-FOURTH AVE 125 N Fulton. One and one-half-story and basement frame dwelling.
Owner—Mrs. G. Croal, 1015 Masonic Ave., San Francisco.
Architect—None.
Contractor—Thomas N. Gasso, 1221 Oak Grove Ave., Burlingame, Cal.
COST, $5800

AUTO ACCESSORY BLDG.
(674) S GEARY 109 W Larkin. One-story brick auto accessory building.
Owner—Morris Jonas
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.
Contractor—Unit Constr. Co.
COST, $12,000

ALTERATIONS
(675) NW MISSION AND 29th. New fronts, plaster partitions, plumbing, etc.
Owner—United Cigar Stores Co., 555 Howard St., San Francisco.
Architect—Jos. A. O'Shaughnessy, 555 Howard St., San Francisco.
Contractor—S. E. Brown, 1434 6th Ave., San Francisco.
COST, $5000

CONCRETE WORK
(676) NO. 2573 MISSION. Concrete work, etc., for dairy lunch.
Owner—Mr. Perkins, SE 16th and Valencia Sts., San Francisco.
Architect—None.
Contractor—John J. Binet Co., 68 Ramona St., San Francisco.
COST, $600

FRAME DWELLING
(677) N SOUTHWOOD 68 E Elmwood. One-story and basement frame dwlg.
Owner—J. H. King, 1267 Bush St., San Francisco.
Architect—None.
Contractor—H. C. Lewis, 68 Post St., San Francisco.
COST, $5750

ADDITION
(678) NE TWENTY-FIFTH & HAMPshire. Add one room and bath to dwelling.
Owner—Rev. Geo. Maxwell, Premises.
Architect—None.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.
COST, $1800

ALTERATIONS
(679) NO. 10 THIRD. Re-arrange present quarters for ice cream store.
Owner—Hatter & Brown Premises.
Architect—None.
Contractor—A. M. Hardy 212 8th Ave., San Francisco.
COST, $2800

FRAME DWELLINGS
(680) W TWENTY-NINTH AVE 87, 124-6, 162 and 199-6 N Lake. Four two-story and basement frame dwellings.
Owner—Allen & Co., 125 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Thos. Hamill, 4101 Balboa St. San Francisco.
TOTAL COST $10,000 each

### RECORDED.

RESIDENCE
(681) LOT 13, BLK. 2983 CLAREmont Court. All work for a one-story frame residence.
Owner—Martin A. Roth, 576 Mission, San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—H. C. Lewis, 68 Post St., San Francisco.
Filed March 12, '20: Dated March 4, '20.
Frame up .....$1350
Brown coated ..... 1350
Completed and accepted ..... 1350
Usual 35 days ..... 1350
TOTAL COST, $5400
Bond, $2700. Sureties, Myer Friedman and E. H. Peterson. Forfeit, none. Limit, 90 days. Plans and specifications filed.
NOTE: Permit reported March 4, No. 568.

### PERMITS

ALTERATIONS
(682) S MARKET 275 E Sixth. Alter and change for dance hall; construct metal gallery, plumbing, etc.
Owner—Guy C. Smith, Strand Theatre, San Francisco.
Architect—Not Given.
Contractor—Jas. Finnegan, 525 California St., San Francisco.
COST, $10,000

ALTERATION
(683) NO. 1761 FILLMORE. Alteration for store front.
Owner—Caro Bros, Premises.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—L. Fontanella, 1682 Eddy, San Francisco.
COST, $1850

ALTERATION
(684) NO. 2570 THIRTY-FIRST AVE. Raise present building, concrete foundation, and floor, etc.
Owner—L. F. Myers, Premises.
Architect—None.
COST, $1350

CANNERY
(685) N BEACH 45-10 W Taylor. One story frame cannery, 91-8x137-6.
Owner—A. Paladini, 540 Clay St., San Francisco.
Architect—None.
Contractor—J. E. Scully, Phelan Bldg., San Francisco.
COST, $20,000

### RECORDED

HEATING, ETC.
(686) NE PINE and STOCKTON E 137-6xN 275. Heating and ventilating for addition to Class "A" office building.
Owner—Metropolitan Life Insurance Co., Premises.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—Jas. Furlong, 681 Market St., San Francisco.
Sub-Contractor—C. Peterson Co., 730 Larkin St., San Francisco.
Filed Mar. 13, '20. Dated Mar. 11, '20.
Progressive payments on 1st of each month .....
**40 days after**.....$4105.25
TOTAL COST, $18,005.00
Bond, $9002.50. Surety, New Amsterdam Casualty Co. Limit, without delay. Forfeit, none. Plans and specifications filed.

FRAME DWELLINGS
(687) E TWENTY-NINTH AVE 150 N Balboa N 125xE 120. All work except side sewers, wall paper and fixtures for five one-story frame dwellings.
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.
Architect—None.
Contractor—Emil Nelson, 39 Delmar, San Francisco.
Filed Mar. 13, '20. Dated Mar. 4, '20.
Frames up .....$6212.50
Brown coated ..... 6212.50
Completed and accepted..... 6212.50
Usual 35 days..... 6212.50
TOTAL COST, $26,050.00
Bond, none. Limit, 90 days after Mar. 4. Forfeit, none. Plans and specifications filed.

COTTAGE
(688) SW NEWHALL 75 S McKinnon Ave. All work for a one-story and basement frame cottage.
Owner—Anton J. and Katherine G. Widman, 1701 McKinnon Ave., San Francisco.
Architect—None.
Contractor—L. H. Stevenson, San Francisco.
Filed Mar. 13, '20. Dated Mar. 1, '20.
Frame up .....$690
Brown coated ..... 660
Completed ..... 660
Usual 35 days ..... 660
TOTAL COST, $2670
Bond, Sureties, Forfeit, none. Limit, June 1, 1920. Plans and specifications filed.

REMODELING
(689) SE SACRAMENTO AND POLK. Remodel stores and hotel.
Owner—S. B. Haber, 111 Montgomery, San Francisco.
Architect—C. S. McNally, 23 Woodland Ave., San Francisco.
Contractor—J. J. Heaphy, 1721 Lombard, San Francisco.
Filed Mar. 13, '20. Dated Mar. 12, '20.
Old work removed .....$1063.75
Completed and accepted ..... 1063.75
Usual 35 days ..... 712.50
TOTAL COST, $2850.00
Bond, Sureties, Forfeit, none. Limit, 25 days. Plans and specifications filed.

### LEASE.

**San Francisco County.**

March 9, 1920—SW MISSION and 3rd. Ophelia Gunst to M. Moskovitz; 5 years; $23,100.
Mar. 10, 1920—NO. 24 EAST ST. H Becker to Morris L Levin. 5 years. $6000.
Mar. 10, 1920—SW MISSION AND 21st S 30 W 70 S 30-3 W 22-6 N 60-3 E 92-6. Mary E Hobl to Louis Glickfeld. 10 years. $600 per month.
Mar. 10, 1920—SE MINNA 275 SW 7th SW 22xSE 80. Anna Dettlbach to Delia McNeil. 5 years, $20 per month
Mar. 10, 1920—N JACKSON No. 3032 Jackson. G L Moffat to Charles Edwin Warn. 1 year 10 months. $1430.
Mar. 10, 1920—NO. 75 SUTTER. Royal Realty Co to Salvatore Spirgola and Charlie Bellusci. 4 years 2½ months. $3282.50.
Mar. 10, 1920—W BUCHANAN bet. Ellis & O'Farrell; No. 1439 Buchanan Josef Meller to Benzian Vladoo. 1 year. $20 per month.
Mar. 11, 1920—NO. 632 CLEMENT ST. Mary Shahan to Mrs W O Schnall
Mar. 11, 1920—NO. 230 SHRADER, Apt. No. 1. Mrs. Geo D Merrill to F A Devlin. 1 year. $480.
Mar. 11, 1920—NO. 747 CLEMENT ST. S H Levin to Peter Camaches and Achilles Condas. 7 years. $6185
March 11, 1920.—NO. 1108 FULTON. Nellie T. Potter to Dr. Maxim De Grosz; 3 years; $1350.
March 11, 1920—NO. 32 TURK. Emily C. McEnery to Chas. J. Adams; 5 years; $9,000.
March 12, 1920—SE SIXTH AND NAtoma 169 No. 169 6th St. The Hind Estate Co. to M. Rosenfeld; 3 years; $3240.
March 12, 1920—SW CLEMENT AND 9th Ave. Anita Sullivan Chubbuck to Albert Wherli; 3 years; $2460.
Mar. 8, 1920—SE MARKET 175 SW 6th SW 25xSE 90. The Empress Imp Co. to Carl Schlickeiser and J O Wickham. 7 years 4 months. $51,875.
Mar. 8, 1920—NO. 2396 MISSION. Wm C Ehrenpfort to Louis Herman. 5 years. $7500.
Mar. 8, 1920—NO. 440 CASTRO W line bet. 17th and 18th Sts. Martin Noone to Mrs. Ruby Florence Hoag and Mrs. Letitia Jane Shattuck. 3 years. $1980.
Mar. 8, 1920—PTN. 25 AND 29 THIRD St. Spiros Paxinos and James Dravillas, Copart. to William Beck and Charles C Schow, Copart. 3 years. $3600.

## COMPLETION NOTICES

### San Francisco County

Mar. 1, 1920—E LEAVENWORTH bet. Beach and Jefferson. California Packing Corp to G. Trevia.... .....Feb. 2, 1920
March 2, 1920—W TWENTY-SECOND Ave. 225 N Geary N 25x120. John Johnson to whom it may concern. .....Feb. 28, 1920
March 2, 1920—SE CLEMENT and 32nd Ave S 100xE 24. Dominic Trevisani to G M Hantzsche..... .....March 1, 1920
March 2, 1920—S Sutter 160-5 E Jones. J R Savory to C Sartorio .....Feb. 28, 1920
March 2, 1920—NO. 47 HAMPTON Place. Mary A. Growney to Joseph Bohem .....Feb. 26, 1920
March 3, 1920—N POST 54 W Franklin W 83-6xN 137-6. Laidlaw Company of California to Mullen Manufacturing Co.....Feb. 8, 1920
March 3, 1920—N POST 54 W Franklin W 83-6xN 137-6. A. M. Benfield to Frederick W. Snook Company .....Oct. 10, 1919
March 4, 1920—NW PACIFIC AND Columbus Ave. D Francis to Pacific

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**Redwood City.**
E. R. Diamond, Portola Road.
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**PERMUTIT SOFT WATER.**


Elevator and Equipment Co.....
.....Feb. 20, 1920
March 4, 1920—NW PACIFIC AND Columbus Ave. D. Francis to A. Elvin .....Feb. 24, 1920
Mar. 5, 1920—E TWENTY-FOURTH Ave 250 N Bolbon N 50xE 120. Rollin E Meyer to Meyer Bros.... .....Mar. 4, 1920
Mar. 5, 1920—NO. 858 ASHBURY. Jno A O Cobick to George M Merritt..... .....Mar. 1, 1920
Mar. 6, 1920—N MARKET street extension 37-8 E Mono (No. 229 Falcon Ave.) Jeremiah and Nora Sullivan to Herbert W Smith..... .....March 4, 1920
March 8, 1920—N HENRY 320 W Castro W 36-6xN 115. H. F. and Florence M. Krauskopf to C. C. Stillwell, Leonard Lumber Co., Macdonald Lumber Co., Mallott & Peterson, George F. Gaylord, H. J. Gill, California Mill Co., Walter Weck and F G Norman..Mar. 4, 1920
Mar. 8, 1920—E MASONIC AVE 75 S Fulton. M J Tracy to H C Keenan .....Mar. 6, 1920
Mar. 8, 1920—SE OCEAN & OTSEGO Aves. Dominic Tiscornia to whom it may concern.....Mar. 8, 1920
Mar. 10, 1920—NE POST AND HYDE N 137-6xE 77-6. Gerard Investment Co to whom it may concern..... .....Mar. 10, 1920
Mar. 10, 1920—PTN LOTS 8 AND 9 Blk 3163, Westwood Park. John J Kingwell to Kingwell Bros..... .....Mar. 4, 1920
Mar. 10, 1920—PTN LOTS 6 AND 7 Blk 3163, Westwood Park. John J Kingwell to Kingwell Bros..... .....Mar. 4, 1920
Mar. 10, 1920—E ½ BLK BOUNDED by Powell, North Point, Stockton and Bay. Simmon Co to Frank B Peake.....Mar. 9, 1920
Mar. 10, 1920—SW CLEMENT AND 24th Ave W 32-6xS 100. Peter W Butt to Oliver Capell and Henry C Rogers.....Feb. 26, 1920
Mar. 10, 1920—N FULTON 192-6 W Laguna W 55xN 120. National Dairy Co to Jean Salanave..... .....Mar. 10, 1920
Mar. 11, 1920—LOT 3 BLK "N" Mission Terrace. Mission Terrace Co to H C Lewis.....Mar. 10, 1920
Mar. 11, 1920—S NIAGARA 389.58; 423.58; 457.58; 491.58 W Mission W 34xS 80. James J Donnelly to Henry Ahnefeld .....Nov. 15, 1919

### LIENS FILED.

**San Francisco County.**

Mar. 1, 1920—NW LIZZIE & PROSPECT N 23-4 — 70 S 23-4 N 70. Eaton & Smith vs. Jennie Caflisch...$356.28
March 2, 1920—LOTS 13 AND 14 BLK. 11, of the Market St. Homestead Ass'n. (48-52-56-60-64-68 Yukon St.) J W Adams vs Alvida L Haynes .....$450
March 2, 1920—W FORTY-FOURTH Ave. 150 N Kirkham. The Greater City Lumber Company vs. E. J. F. Phillips .....$64.65
Mar. 3, 1920—S FOURTEENTH 126 E Castro. Thos Leonard and J E Davenport (as Leonard Lumber Co) vs Mary A Monks and Michael Irwin .....$123.93
March 8, 1920—LOT 3, BLK 3166 Westwood Park. Uhl Bros. vs. Walter and H. J. Hansen and Hans J. Hansen .....$142.18
Mar. 10, 1920—S BROADWAY 127 W Laguna W 44-10½ S 137-6 E 34-4½ N 9-9¾ E 7-6 N 27-8¼ E 3 N 100. R J Byington vs Lillie H McCormick and Mrs. E W Goodrich..$54.15

### NOTICE OF NON-RESPONSIBILITY.

**San Francisco County.**

Mar. 11, 1920—W FILLMORE 75 S Post S 25xW 94-6. Clara Wilson as to improvements on leased property .....
Mar. 12, 1920—NE EDDY & TAYLOR E -37-6 N 137-6 W 137-6 S to beg. Whittell Realty Co as to improvements on leased property.....

### ASSIGNMENT OF BUILDING CONTRACT.

**San Francisco County.**

Mar. 12, 1920—DOLORES & MARKET. Adrienne, Nellie and Chas Thompson, Vincenzo Farrio, A E Schmidt and Val Franz Jr assign to The Mission Concrete Co., $40,693.

### DEMAND FOR HARDWARE IN NORTH MANCHURIA.

[Consul Douglas Jenkins, Harbin, China, Dec. 16, 1919.]

Most of the hardware imported into the Harbin district is now coming from the United States and Japan. Before the war German hardware manufacturers practically monopolized the Harbin market, and there are signs already that the German merchants are beginning to feel their way again into this territory. American hardware is popular here, and although it is regarded as somewhat expensive, its superiority in quality is usually appreciated.

Among the articles of hardware in demand are: Enameled kitchen and household utensils, cutlery, door locks and door knobs, hinges, scales, nails (including horseshoe nails), wire netting, tools, piping and other plumbing materials, bathtubs, etc.

There are four firms in the city of Harbin which import hardware on their own account and do a general retail and wholesale business. These firms are all Russian and prefer to correspond in their own language, but are prepared to receive correspondence in English. There are also several general importing houses of American and British nationality which handle hardware. A number of Chinese dealers sell hardware, but they do not import on their own account, preferring to buy through the general importing firms.

Harbin firms report that they are already receiving offers from Belgian houses, or rather houses in Belgium, in various lines of hardware, and some orders have actually been placed with these concerns.

**Terms and Quotations.**

Hardware dealers here are anxious to obtain American goods, but there has been a certain amount of dissatisfaction in the past, owing to the difference between American methods and those of German manufacturers, the Russians being more familiar with the latter. The Russian firms complain that American manufacturers demand payment in advance, and are not disposed apparently to ship goods against documents through the banks. This method of paying against receipt of documents is a favorite one with the Russians. However, owning to unsettled conditions in this district at this time, no credit should be extended and none is really expected. The Russian ruble, which is the principal currency medium, is in the most chaotic condition, and it is hard to see how Russian business houses can continue unless there is a speedy change for the better, or some other currency is introduced to take the place of the ruble.

The Chinese customs duty on hardware is about 5 per cent ad valorem, and there is no discrimination against American manufacturers as compared with those of other countries.

When normal conditions return in this district there would appear to be no objection to the granting of credit to well-established firms, though, as already pointed out, no credit should be extended at this time. In the event of goods being shipped for payment upon receipt of documents, a substantial advance should be insisted upon to protect the American manufacturers in the event of the purchasers failing to take delivery upon the arrival of the goods. It is hardly advisable under present conditions for American firms to undertake to quote prices c. i. f. Harbin, owing to the lack of stability in railway freight rates and other local charges. Quotations f. o. b. Pacific port are generally fairly satisfactory to Harbin merchants, although, of course, they prefer to have quotations c. i. f. Vladivostok or Dairen.

[A list of importers and users of hardware and industrial equipment in China can be obtained from the Bureau of Foreign and Domestic Commerce or its district and co-operative offices by referring to file No. FE. 13013. A similar list is available for Hongkong; refer to file No. FE-15004.]

## BUILDING CONTRACTS

### Alameda County

| | | | |
|---|---|---|---|
| 528 | Vaughn | Owner | 3950 |
| 529 | Smith | Smith | 500 |
| 530 | Brown | Owner | 1500 |
| 531 | Snyder | Snyder | 400 |
| 532 | Rohde | Meyers | 1500 |
| 533 | Gladstone | Skaggs | 550 |
| 534 | Muldoon | Owner | 500 |
| 535 | Pfrang | Owner | 3900 |
| 536 | Garrett | Maze | 3000 |
| 537 | Pfrang | Owner | 3900 |
| 538 | Rush | Owner | 500 |
| 539 | Boutin | Dildine | 15685 |
| 540 | Whitecotton | Mullen | 3000 |
| 541 | Lauze | Buskirk | 450 |
| 542 | Strehlow | Spence | 19500 |
| 543 | R. C. Arch | Leonard | 35000 |
| 544 | R C Arch | Leonard | 35,591 |
| 545 | Hunt | Allen | 500 |
| 546 | Booth | Warner | 6000 |
| 547 | Wishart | Jones | 1943 |
| 548 | Moline | Van Ness | 4000 |
| 549 | Bunnell | Iddings | 800 |
| 550 | Pratti | Johanson | 800 |
| 551 | Andreaini | Benassnni | 1000 |
| 552 | McHugh | Owner | 3500 |
| 553 | Kolb | Williams | 500 |
| 554 | Gooch | Owner | 800 |
| 555 | No D Lay | Owner | 2000 |
| 556 | Clough | Baker | 600 |
| 557 | Guhl | Cal Bldrs | 2950 |
| 558 | Rodionon | Moe | 500 |
| 559 | Sehly | McPhee | 400 |
| 560 | Freuler | Texdahl | 12822 |
| 561 | Lovegrove | Lovegrove | 1950 |
| 562 | Kitterman | Rockingham | 500 |
| 563 | Ala Park Co | Spence | 1250 |
| 564 | Thurstegge | Valleroy | 460 |
| 565 | Anderson | Owner | 4000 |
| 566 | Pasmore | Owner | 3500 |
| 567 | Coward | Owner | 8000 |
| 568 | Riley | Owner | 600 |
| 569 | Fiegarada | Williams | 2500 |
| 570 | Warencke | Owner | 4000 |
| 571 | Johnson | Johnson | 3700 |
| 572 | Boutin | Dildine | 15685 |
| 573 | Hurley | Owner | 1000 |
| 574 | Moneta Invst | Anderson | 14932 |
| 575 | Pfrang | Owner | 4000 |
| 576 | Kimball | Duval | 500 |
| 577 | Ellison | Owner | 400 |
| 578 | Mead | Corbett | 450 |
| 579 | Pantages | Corbett | 475 |
| 580 | Hayden | Jess | 2000 |

DWELLING
(528) S HEMPHILL COURT 100 E Desmond, Oakland. One-story 5-room dwelling.
Owner—M. C. Vaughn, 5833 Ayala St., Oakland.
Architect—None.
Day's work. COST, $3950

REPAIRS
(529) NO. 1908 NINETY-EIGHTH AVE. Oakland. Fire repairs.
Owner—L. N. B. Smith, Premises.
Architect—None.
Day's work. COST, $500

DWELLING
(530) W THIRTY-NINTH AVE 55 S E-12th, Oakland. One-story 3-room dwelling.
Owner—Vernon L. Brown, 3625 E-12th St., Oakland.
Architect—None.
Day's work. COST, $1500

GARAGE
(531) S CALAVERAS 171 E McClellan, Oakland. Garage.
Owner—C. M. Snyder, Beulah Heights, Oakland.
Architect—None.
Day's work. COST, $400

ALTERATIONS
(532) NO. 656 FIFTY-FOURTH ST., Oakland. Alterations and additions.
Owner—P. W. Rohde, Premises.
Architect—None.
Contractor—O. W. Meyer, 3814 West St., Oakland. COST, $1500

ALTERATIONS
(533) NO. 568 FORTY-SIXTH ST., Oakland. Alterations.
Owner—Ella B Gladstone.
Architect—None.
Contractor—J. H. Skaggs, 536 44th St., Oakland. Cost, $550

STORE FRONT
(534) SW SEVENTH AND CHESTER Sts., Oakland. Store front.
Owner—E. Muldoon Estate Co., 1503 7th St., Oakland.
Architect—None.
Day's work. COST, $500

FRAME DWELLING
(536) N TAFT AVE 281 E Broadway, Oakland. One-story 5-room frame dwelling.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None.
Day's work. COST, $3900

FOUNDRY
(536) SE THIRTIETH AND POPLAR Sts., Oakland. One-story foundry.
Owner—J. T. Garrett, Woodland, Cal.
Architect—None.
Contractor—W. B. Maze, 3048 16th St., San Francisco. COST, $3000

DWELLING
(537) S VIRMAR AVE 165 E Broadway, Oakland. One-story 5-room dwelling.
Owner—H. C. Pfrang, 5659 Ocean View Drive, Oakland.
Architect—None.
Day's work. COST, $3900

REPAIRS
(538) NO. 2214 ATHERTON, Berkeley Repairs.
Owner—W. I. Rush, 538 Vicente Ave., Berkeley.
Architect—None.
Day's work. COST, $500

APARTMENTS
(539) LE ROY AVE AND BUENA Vista, Berkeley. Two-story 12-room apartments.
Owner—Marie L. Boutin, 1547 Le Roy Ave., Berkeley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Verne Dildine, 484 63rd St., Oakland. COST, $15,685

ALTERATIONS
(540) SHATTUCK AVE. & ALLSTON Way, Berkeley. Alter into hotel.
Owner—W. W. Whitecotton Hotel Co.
Architect—None.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco. COST, $3000

GARAGE
(541) NO. 106 UPLANDS, Berkeley. Garage.
Owner—Mr. Lauze, Premises.
Architect—None.
Contractor—T. W. Buskirk, Oakland. COST, $450

THEATRE
(542) NEPTUNE BEACH, Alameda. Theatre.
Owner—R. C. Strehlow.
Architect—E. J. Symmes, Wells-Fargo Bldg., San Francisco, and 1700 Pearl St., Alameda.
Contractor—A. T. Spence, 641 Taylor St., Alameda.
Filed March 9, '20. Dated March 1, '20.
On 10th of each month ..... 75%
30 days after completion and acceptance ..... 25%
TOTAL COST, $19,500
Bond, Sureties, Forfeit, Limit, none. No plans or specifications filed.

CHURCH
(543) ST. JOSEPH'S ROMAN CATHOlic Church, Alameda. All work to move and complete rectory, concrete work, terra cotta, roof, tile for reinforced concrete church.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., San Francisco.
Architect—W. D. Shea and M. A. Minton, 244 Kearny St., San Francisco.
Contractor—John J. Leonard, 130 Jessie St., San Francisco.
Filed Mar. 8, '20. Dated Feb. 21, '20.
1st day of each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $35,000
Bond, $17,500. Sureties, John Cassaretto and W. A. Macdonald. Forfeit, none. Limit, Oct. 1. Plans and specifications filed.

(5444) REINFORCED STEEL, CHIMney, hollow tile work, ornamental iron work, exterior cast cement, exterior cementing, carpentry and mill work, sheet metal, glazing, ornamental tile, roofing, cornerstone, painting, plumbing, heating and ventilating on above.
Contractor—Same.
Filed Mar. 8, '20. Dated Feb. 21, '20.
Payments same as above.
TOTAL COST, $34,591
Bond, $17,296. Sureties, same as above. Forfeit, none. Limit, Oct. 1. Plans and specifications filed.

ADDITION
(545) NO. 2 UPLANDS, Berkeley. Addition.
Owner—H. E. Hunt, 2908 Channing Way, Berkeley.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. COST, $500

ADDITION
(546) N THIRTY-SIXTH 70 E Telegraph Ave., Oakland. One-story brick addition.
Owner—C. S. Booth, 928 16th St., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—S. A. Warner, 4606 Brookdale Ave., Oakland. COST, $6000

ADDITION
(547) NO. 476 FAIRBANKS, Oakland. Add to dwelling.
Owner—W. A. Wishart, 3137 Telegraph Ave., Oakland.
Architect—None.
Contractor—Jones & Petersen, 5654 College Ave., Oakland. COST, $1943

DWELLING
(548) N THIRTY-NINTH AVE 450 S Redwood Road, Oakland. One-story two-room dwelling.
Owner—G. Moline.
Architect—None.
Contractor—L. E. Van Ness, 433-A. R. F. D. No. 1. COST, $400

ALTERATIONS
(549) NO. 2137 CURTIS, Berkeley. Alter theatre.
Owner—Bunnell Estate.
Architect—None.
Contractor—W. W. Iddings, 1805 Cedar St., Berkeley. COST, $800

ADDITION
(550) NO. 1362 CURTIS, Berkeley. Addition.
Owner—Sidney Pratti, 1975 Geary St., San Francisco.
Architect—None.
Contractor—G. Johanson, 1357 Northside St., Berkeley. COST, $800

DWELLING
(551) NO. 1212 MASONIC AVE., Berkeley. One and one-half-story four-room dwelling.
Owner—Louizi Andreaini, 1362 Curtis St., Berkeley.
Architect—None.
Contractor—Pio Benassnni, 418 Avon St., Oakland. COST, $1000

DWELLING
(552) E EIGHTY-EIGHTH AVE 160 N Olive, Oakland. One-story 5-room dwelling.
Owner—Geo. McHugh, 2024 88th Ave., Oakland.
Architect—None.
Day's work. COST, $3500

GARAGE
(553) NO. 676 FAIRMOUNT AVE., Oakland. One-story concrete garage
Owner—Mrs. H. J. Kolb, Premises.
Architect—None.
Contractor—H. B. Williams, Bank of Italy Bldg., Oakland. COST, $500

DWELLING
(555) LEONA HEIGHTS, Oakland. One-story 4-room dwelling.
Owner—H. T. Gooch, Premises.
Architect—None.
Day's work. COST, $800

DYEING AND CLEANING BLDG.
(555) NE MARKET AND ATHENS Ave., Oakland. One-story brick dyeing and cleaning building.

Owner—No D Lay Dry Cleaners, 1707 Broadway, Oakland.
Architect—None.
Day's work. COST, $2000

ADDITION
(556) NO. 829 OHIO ST., Oakland. Addition.
Owner—F. M. Clough, Premises.
Architect—None.
Contractor—W. J. Baker, 546 30th St., Oakland. COST, $600

DWELLING
(557) E RHODA AVE 200 S Carmel, Oakland. One-story 5-room dwelling
Owner—A. B. Guhl, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland. COST, $2950

ALTERATIONS
(558) NO. 488 SEVENTH, Oakland. Alterations.
Owner—A. Rodionon, Premises.
Architect—None.
Contractor—H. A. Moe, 527 43rd, Oakland. COST, $500

ALTERATIONS
(559) NO. 373 THIRTEENTH ST., Oakland. Alterations.
Owner—Selby Investment Co., Prem.
Architect—None.
Contractor—A. J. McPhee, 2144 E-27th St., Oakland. COST, $400

STORES
(560) N BANCROFT WAY 45 E Telegraph Ave., Berkeley. All work for one-story brick stores except electric fixtures.
Owner—John Freuler, 2946 Russell, Berkeley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—C. Texdahl, 226 Action Place, Oakland.
Filed March 11, '20. Dated March 5, '20.
Brick work up to ceiling line .... ¼
Roof completed ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $12,822
Bond, Sureties, Forfeit, none. Limit, 80 days. Plans and specifications filed.

DWELLING
(561) NO. 1509 BUENA VISTA AVE., Ala. One-story 4-room dwelling.
Owner—M. E. Lovegrove, 1308 Santa Clara Ave., Alameda.
Architect—None.
Contractor—G. Lovegrove. COST, $1950

ALTERATIONS
(562) NO. 2145 CLINTON AVE., Alameda. Alterations.
Owner—James Kitterman, 855 Cedar St., Alameda.
Architect—None.
Contractor—J. H. Rockingham, 2306 San Jose Ave., Alameda. COST, $500

BANDSTAND, ETC.
(563) NEPTUNE BEACH, Alameda. Bandstand, laundry and laundry platform.
Owner—Alameda Park Co., Premises.
Architect—None.
Contractor—A. T. Spence, 641 Taylor Ave., Alameda. COST, $1250

ADDITION
(564) NO. 506 SANTA CLARA AVE., Alameda. Addition.
Owner—R. M. Thurstegge, Premises.
Architect—None.
Contractor—H. L. Valleroy, 3636 Maple Ave., Oakland. COST, $460

GARAGE, ETC.
(565) NO. 2411 WEBB AVE., Alameda. Garage and machine shop.
Owner—W. D. and E. D. Anderson, Premises.
Architect—None.
Day's work. COST, $4000

DWELLING
(566) NO. 291 ALVARADO ROAD, Berkeley. Two-story 6-room dwelling.
Owner—H. B. Pasmore, 1470 Washington St., San Francisco.
Architect—H. B. Johnson, Humboldt Bank Bldg., San Francisco. COST, $3500

DWELLING
(567) S LERIDA 150 W Rosal, Oakland. Two-story 9-room dwelling.
Owner—J. Coward, 6081 Claremont Ave. Oakland.
Architect—None.
Day's work. COST, $8000

ADDITION
(568) NO. 2838 REDDING S., Oakland. Addition.
Owner—James Riley, Premises.
Architect—None.
Day's work. COST, $600

FRAME DWELLING
(569) JEROME bet. Oakland and Grand Ave., Piedmont. One-story frame dwelling.
Owner—B. Fiegarada.
Architect—None.
Contractor—A. D. Williams, 29 Jerome, Oakland. COST, $2500

RESIDENCE
(570) RONADA near Rose Ave., Piedmonth. Two-story frame residence.
Owner—Mrs. Carl Warnecke, 3021 Richmond, Oakland.
Architect—Carl Warnecke, 414 13th St., Oakland.
Day's work. COST, $4000

DWELLING
(571) LOT 14 BLK "E," Lincoln Park, Piedmont. One and one-half-story frame dwelling.
Owner—Mrs. Annie Johnson.
Architect—None.
Contractor—E. Johnson. COST, $3700

FRAME APARTMENTS
(572) LE ROY AVE AND BUENA Vista being Lot 1 Blk 5 Wheeler Tract, Berkeley. All work for two-story frame apartments.
Owner—Marie L. Boutin, 1547 Le Roy Ave., Berkeley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—Verne Dildine, 484 63rd St., Oakland.
Filed Mar. 12, '20. Dated Mar. 4, '20.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $15,685
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Mar. 10, 1920, No. 539.

ALTERATIONS
(573) NO. 2033 CHANNING WAY, Berkeley. Alterations.
Owner—C. J. Hurley, 1232 Grove St., Berkeley.
Architect—None.
Day's work. COST, $1000

DWELLINGS
(574) (1) NW McGEE AVE AND Parker N 30xW 80; (2) W McGee Ave 30 N Parker N 34-2xW 80; (3) W McGee Ave 64-2 N Parker N 34-2xW 80; (4) W McGee Ave 98-4 N Parker N 34-2xW 80, Berkeley. All work for four one-story dwellings.
Owner—Moneta Investment Co., Phelan Bldg., San Francisco.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—N. A. Anderson, 1927 Napa Ave., Berkeley.
Filed Mar. 13, '20. Dated Mar. 1, '20.
Frames up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $14,932
Bond, $7500. Sureties, H. J. Quinn and S. B. Reed. Limit, July 15. Forfeit, none. Plans and specifications filed.

DWELLING
(575) NE MENDOCINO AND TAFT Aves., Oakland. one and one-half-story 6-room dwelling.
Owner—L. G. Pfrang, 810 Brooklyn Ave., Oakland.
Architect—None.
Day's work. COST, $4000

ALTERATIONS
(576) THIRTEENTH AND CLAY, Oakland. Alterations.
Owner—Kimball Elec. Co., Premises.
Architect—None.
Contractor—Oliver Duval & Son, Daziel Bldg., Oakland. COST, $500

OFFICE
(577) NO. 2118 TWENTY-THIRD AV., Oakland. One-story 2-room office.
Owner—M. Ellison, 3418 E-14th St., Oakland.
Architect—None.
Day's work. COST, $400

ALTERATIONS
(578) NO. 421 THIRTEENTH ST., Oakland. Alterations.
Owner—John Mead, Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. COST, $450

ALTERATIONS
(579) N TWELFTH 150 E Broadway, Oakland. Alterations.
Owner—A. Pantages.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. COST, $475

ADDITION
(580) NO. 1803 THIRTY-FOURTH Ave., Oakland. Addition (alter one-story into two-story dwelling).
Owner—K. M. Hayden, Premises.
Architect—None.
Contractor—W. M. Jess, San Leandro. COST, $2000

## COMPLETION NOTICES

### Alameda County

Mar. 2, 1920—LOT 4 BLK 3, Map Thousand Oaks, ——. E R Lamb to whom it may concern..Feb. 27, 1920
Mar. 3, 1920—W MYRTLE 130 S Seventh being No. 541-43 Seventh, Okd. V Petrantono to F C Amoroso .....March 3, 1920
March 4, 1920—NE E-FOURTEENTH St. 70 NW 39th Ave NW 25xNE 70, Oakland. Ernest J. and Jeanne Hauser to Hancock & Lydiksen.. .....March 4, 1920
March 4, 1920—ALL LOT 22, BLK. E, Map Bella Vista Park, Oakland. Henrietta A. Johnson to F. C. Stolte .....Feb. 10, 1920
No. 4, Regents Park, Oakland. B. Wurthmann to Axel Sommarstrom .....March 6, 1920
Mar. 5, 1920—E 42 LOT 31 BLK 5, Thousand Oaks Station Tract, Oakland Tp. James W Krafft to whom it may concern.....Mar. 4, 1920
March 10, 1920—LOTS 23 AND 24, Blk. B, Oakland Highlands Tract, Oakland. Safe Realty Co. to C. W. Short .....March 1, 1920
Mar. 10, 1920—NE UNION & SANTA Clara Ave N 45xE 60, Ala. Raymond Holmes to A S Holmes..... .....Mar. 9, 1920
Mar. 10, 1920—LOT 28 BLK 8, 4th Ave Heights, Okd. Katherine Houck to H L Houck...Mar. 9, 1920
March 8, 1920—LOT 14, BLK 6 Map March 11, 1920—NW PIEDMONT Ave. 162 SW Mather St. SW 84xNW 125, Oakland. Daniel Dwyer to whom it may concern..Mar. 11, 1920
Mar. 12, 1920—LOT 2 Vernon Park, Okd. Annabel Bannan to Solomon Morris .....Mar. 8, 1920

### LIENS FILED.

### Alameda County

Mar. 2, 1920—LOT 13 AND SE 16 Lot 17 and SE Lot 10, all Lots 11, 12, 13 and W 4 Lot 14, Map Sanford Tract, Okd. Frank Jones vs John Randall, Alameda County Title Insurance Co, Trustee for F R Hatcher, Chas M O'Brien and Geo E Graft, Trustees Mutual Building & Loan Ass'n of San Jose and College Park and C Welchoff and A L Young .....$20
Mar. 2, 1920—SE 1 LOT 10, all Lots 11, 12, 13, 14 and NW 19 Lot 15 Blk

"C," Map Sanford Tract, Oakland. George F Davis vs John Randall, Alameda County Title Insurance Co., trustee for F. R. Hatcher, Chas. M. O'Brien and Geo. E. Graft, trustees Mutual Building and Loan Association of San Jose and College Park, and C. Welchoff and A L Young.....$49.50
Mar. 2, 1920—SE 1 LOT 10, all Lots 11, 12, 13, 14, 15, 16 and NW 9 Lot 17 Blk "C." Map Sanford Tract, Oakland. E W Burnell vs John Randall, Alameda County Title Insurance Co, Trustee for F R Hatcher, Chas M O'Brien and Geo E Graft, Trustees Mutual Building & Loan Ass'n. of San Jose and College Park and C Welchoff and A L Young .....$43
March 2, 1920—E 1 LOT 10, ALL lots 11 to 18 inclusive, Blk. C, Map Sanford Tract, Oakland. T. W. Tinkler, $83.00; James Feeley, $48;E Shelburn, $60; O H McCoon, $48;W B Hardy, $48;G C McMurtry, $40.50; Wm Wheeler, $48; T J Richards, $58.50 vs John Randall, Alameda Co. Title Insurance Co. Tr for F R Hatcher, C M O'Brien and Geo E Graft, Trustees Mutual Building & Loan Ass'n. of San Jose and College Park and C Welchoff and A. L. Young ..... .....
Mar. 3, 1920—S PARK BLVD. 390 E Hampel NE 40SE 120, Okd. Sunset Lumber Co. $175; Redwood Manufacturers Co. $577.85 vs R S and Leslie R Prussia and J B Peppin..
Mar. 3, 1920—S PARK BLVD. 390 E Hampel NE 40xSE 120, Okd. J B Peppin vs R S and Leslie R Prussia .....$850
Mar. 10, 1920—SW AUSEON AVE & Dowling. Okd. D S Childers vs Wm L and Marie F Newby.....$136

## BUILDING CONTRACTS.

### Santa Clara County.

COTTAGE
SEVENTH ST. near Keyes St., San Jose. Cottage.
Owner—Ray J. Rowley, 155 S-Morrison St., San Jose.
Architect—None.
Day's work. COST, $2000

COTTAGE
HARLISS ST. near Edwards St., San Jose. Cottage.
Owner—H. E. Bayles, 918 Harliss St., San Jose.
Architect—None.
COST, $1000

## BUILDING CONTRACTS.

### Fresno County.

PAVEMENT
SELMA. Construct 26,600 sq. ft. of 7-inch pavement.
Owner—S. P. Railroad.
Contractor—Hugh Crummy, 333 Kearny St., San Francisco.
Filed March 10, 1920.
TOTAL COST, 35c per sq. ft.
Bond, $6000, Sureties, U. S. Fidelity and Guaranty Co.. Forfeit, Limit, none. No plans or specifications filed.

WAREHOUSE
FRIANT BRANCH AND FIRST ST., Fresno. Warehouse.
Owner—Setchel Fruit Co., 312 Griffith-McKenzie Bldg., Fresno.
Architect—None.
Contractor—R. Pedersen, 446 Clark St., Fresno.
COST, $35,000

## COMPLETION NOTICES.

### Fresno County.

Recorded Accepted
March 8, 1920—SELMA (paving certain streets). S. P. Co. to whom it May concern .....Feb. 27, 1920
March 8, 1920—LOT 8, E, ELMHURST T. J. Burke to whom it may concern .....March 8, 1920
March 9, 1920—LOT 6 PART LOTS 5 and 7, Blk 16, Arlington Heights, Fresno. D. M. Benton to whom it may concern .....March 9, 1920
Mar. 10, 1920—LOTS 14, 15, 16 BLK 14 Blackstone Villa, Fresno. M C Nelsen to whom it may concern...
Mar. 3, 1920—LOTS 44 AND 45 BLK 4, Belridge Park, Fresno. C F Cutting to whom it may concern.. .....Feb. 26, 1920
Mar. 5, 1920—LOTS 1 AND 2 Blk 4, Fresno Home Builders' Palm Villa Tract, Fresno. Fresno Home Builders to whom it may concern .....Mar. 3, 1920
Mar. 6, 1920—LOTS 37 AND 38 BLK 11, College Addition, Fresno Benj. F Stone to whom it may concern.. .....Mar. 6, 1920

## BUILDING CONTRACTS.

### Sacramento County.

FRAME DWELLING
NO 2761 MONTGOMERY WAY, Sacramento. One and one-half-story 6-room frame dwelling and garage.
Owner—J. C. Carly Co., 823 "J" St., Sacramento.
Architect—None.
Day's work. COST, $6500

DWELLINGS & GARAGES
NOS. 2686, 2702-10-20-26-34-44-50-60-66 Donner Way, Sacramento. Ten one and one-half-story 5 and 6-room dwellings and garages.
Owner—J. C. Carly Co., 823 J St., Sacramento.
Architect—None.
Day's work. COST, $4000 to $5300 each

DWELLING AND GARAGE
NO. 3864 "H" ST., Sacramento. Two-story 9-room frame dwelling and garage.
Owner—J. H. Gilpin, 1416 "P" St., Sacramento.
Architect—None.
Contractor—L. G. Barton, Regis Hotel, Sacramento.
COST, $6000

OIL STATION
NO. 601 "L" ST., Sacramento. Oil station.
Owner—Union Oil Co., "Y" St. nr Front St., Sacramento.
Architect—None.
Day's work COST, $5000

REMODEL FLATS
NO. 1209 "T" ST., Sacramento. Remodel flats.
Owner—A. Williams, 315 19th St., Sacramento.
Architect—None.
Contractor—E. Thomas, 2021 24th St., Sacramento.
COST, $3500

IRON FOUNDRY
No. 1817 TWENTY-NINTH ST., Sacramento. One-story corrugated iron foundry.
Owner—R. Berry, 2914 "S" St., Sacramento.
Architect—None.
Day's work. COST, $2000

REPAIRS
NO. 2006 "K" ST., Sacramento. General repairs to residence.
Owner—E. A. McLaughlin, Premises.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento.
COST, $2100

DWELLING & GARAGE
NO. 515 TWENTY-NINTH ST., Sacramento. One-story 6-room frame dwelling and garage.
Owner—R. Powell, 1309 6th St., Sacramento.
Architect—None.
Day's work. COST, $4600

SE SUTTER AND RILEY STS., Folsom, Sacramento Co. One-story concrete and frame bank building.
Owner—Bank of Folsom.
Architect—A. W. Campbell, 3455 "J" St., Sacramento.
Contractor—Wm. C. Keating, Capitol Bank Bldg., Sacramento.
Filed Mar. 10, '20. Dated Mar. 9, '20.
COST, $15,850

## BUILDING CONTRACTS.

### San Joaquin County.

RESIDENCE AND GARAGE
NORTH SAN JOSE ST. between Magnolia and Acacia. Residence and garage.
Owner—A. De Paoli, 545 E Park St., Stockton.
Architect—None.
Day's work. COST, $3700

REMODEL.
MAIN ST. between San Joaquin and Sutter. Remodel theatre entrance.
Owner—R. E. Wilhoit, 201 Wilhoit Bldg., Stockton.
Architect—None.
Day's work. COST, $10,000

RESIDENCE AND GARAGE
W NORTH ST. in Lake Park. Residence and garage.
Owner—T. E. Williamson, 1055 N Pilgrim, Stockton.
Architect—None.
Day's work. COST, $4,000

RESIDENCE AND GARAGE
W NORTH ST. in Lake Park, Stockton. Frame residence and garage.
Owner—Chris Thim, Stockton.
Architect—None.
Day's work. COST, $3200

RESIDENCE
N SIERRA NEVADA ST. bet. Roosevelt and Pinchot. Frame residence.
Owner—F. C. Hicks, 1347 E Scotts, Stockton.
Architect—None.
Day's work. COST, $3140

GARAGE
CHANNEL AND AMERICAN STS, Stockton. Garage.
Owner—J. W. Kile, 306 Yosemite Bldg., Stockton.
Architect—None.
Day's work. COST, $12,600

REMODEL
E WEBER AVE. bet. Center and El Dorado, Stockton. Remodel Bldg.
Owner—H. Genser, 38 E Main St., Stockton.
Architect—None.
Day's work. COST, $4500

## NOTICE OF NON-RESPONSIBILITY.

### San Joaquin County.

Recorded Amount
Mar. 6, 1920—NO. 323 EAST MAIN St., Stockton. (Ely store room on ground floor of Wilhoit Bldg.) R E Wilhoit as to improvements on leased property .....
Mar. 6, 1920—S 25 FT. LOTS 1, 3, 5 all Lots 13, 14 and the N 26 feet 8 inches of (Carp. Meas.) Lots 2, 4 and 6, Blk 4, East of Center St., Stockton; also certain ptn of the Yosemite store and office bldg on said Blk 4 used as an entrance to Yosemite Theatre. E 66.75 ft. (Carp. Meas.) save and except W 46.75 feet of S 6 feet. Yosemite Theatre Co., a Corp., by R E Wilhoit, Pres., and F H Cramblitt, Sec. as to improvements on leased property .....

## BUILDING CONTRACT.

### Stanislaus County.

SHEET METAL WORK
MODESTO, Cal. Sheet metal work on theatre building.
Owner—Golden West Amusement Co., Modesto, Cal.
Architect—Reid Bros.
Contractors—Guilfoy Cornice Works, San Francisco.
COST, $2784
Bond, $1000. Sureties, A. Castle, Jas. Guilfoy. Limit, 30 days.

## BIDS CALLED FOR STANISLAUS COUNTY ROAD WORK.

MODESTO, Stanislaus Co., Cal.—Hugh Benson, County Clerk, has been instructed by the Supervisors to call bids for top surfacing several stretches of county highway, amounting to ten miles. Bids received for the work under the last call were considered too high and were rejected.

The bids will be opened on March 26th, 10 A. M.

**HUMAN ENGINEERING.**
(Continued from Page 3)

intricate and highly specialized nature of the work became more fully recognized, the carefully trained and fully competent social service worker played the most important part in dealing with human engineering.

the direct relationship of social service

Within comparatively recent years and welfare work to industry was brought forth by studies of industrial efficiency. Most of these studies were made by trained engineers, and they recognized that a combined knowledge of the principles of social service and welfare activities with engineering offered a fruitful field for improving the illusive and much sought after efficiency in industry. This may be said to be the birth of "human engineering."

In the present state of its development, human engineering starts with the providing of groups of men from which desirable applicants for employment may be selected, handles these applicants through the stages of psychological and physical tests and furnishes the new employee with the proper attitude of mind toward his environment and his training in the work he is to do. It follows him through his employment, safe-guarding his health and his life and limbs from injury, insures the proper means being provided for keeping him tempermentally and physically in condition to produce his best efforts for his employer, both as an individual and as a member of a group.

The purpose of this article is to

**Employment.**

In industry the efforts of the men responsible for the human engineering activities should commence with the providing of groups of men from which selection may be made of those suited to employment in the particular industry and capacity in which they are needed As a matter of fact, one of the fundamental results of the introduction of human engineering into a plant is to produce the proper type of applicant because the benefits to the employee accruing from the engineer's efforts become known, and men who are not employees usually wish to secure employment so as to participate in them. However, this in itself will probably not produce an adequate force of applicants, and one of several various methods of securing them must be resorted to. It is now a well recognized fact that it is not advisable to engage the services of men through employment agencies where they are charged a fee for securing the position. Where the conditions warrant, it is often desirable that an empolyment office be conducted in the district where labor of the type desired usually congregates, but regardless of whether such an office is maintined or not, it should be made known that no man has to pay a fee in order to secure work. Newspaper and other advertising is a legitimate method of securing men, and experience has proven that departure from well recognized practices and advertising into what might be called the unusual field pays as well in advertising for men as in any other kind of publicity.

Having secured sufficient applicants for employment to permit of intelligent selection, the applicants should be individually subjected to psychological and physical tests; either or both of these may be conducted without the knowledge of the applicant if that method is considered best. Some engineers resort to some of the well known mental tests such as are used upon the recruits for the Army and Navy, and soliders and sailors examined for promotion. Others use tests originated by themselves as being best adapted to the occupation for which the man is being employed.

As to the physical tests, it is best to have them undertaken by a physician who, if he is the proper man for this work, can conduct mental tests along with the physical without arousing undue suspicion or alarm in the man under examination. However, as certain branches of organized labor have gone on record against physical and mental examinations, it may be necessary to arrive at the man's condition wholly through superficial inspection.

A man should never be turned into the plant by the employing engineer until he has satisfied himself that he is well fitted t odo the particulay piece of work for which he is being hired. While the applicant is being employed is an excellent opportunity to impress upon him the efforts of the employer to provide the best and safest working conditions, and that the employer recognizes that an employee can only work efficiently in healthy and safe surroundings and with a contented mind.

**Safety and Sanitation.**

Aside from the great humanitarian phase of safety engineering is the economic fact that it does not pay to have a man unnecessarily injured. First, there is the direct loss of compensation for the injury and then the indirect losses occasioned through the necessity of putting an untrained man in the injured man's place and the general slackening up of work that follows every accident in an industrial establishment.

There are two main and equally important branches of safety engineering; first, safeguarding machinery and other plant, and second, that branch dealing directly with the human element. A corporation employing thousands of men has adopted as its slogan, "The best safety device is a safe man," and there can he no question but what this phrase fully expresses all that can be said about the human element in safety engineering. You may safeguard the machines, you may spend hundred of thousands of dollars in removing every physical hazard, but an unsafe man will find some way of circumventing these guards. On the other hand, only moderately safeguarded plans have produced remarkable safety records through co-operation of the employee in accident prevention.

Sanitation is nothing more nor less than a safeguard in itself, and the providing of proper sanitary conveniences for workmen is just as much a part of the safety engineer's duty as is the guarding of a fly wheel.

**Welfare Work.**

It is unfortunate that in its incipiency the title welfare work should have been coined for the legitimate efforts of employers to secure the co-operation of their employees in maintaining or increasing profits through reducing production cost. This title is now used to cover everything from the providing of stools for women workers to the division of profits between employer and employee. No one can say what is the most successful way of conducting welfare work so as to secure the desired result. There are advocates and opponents to every phase of this kind of work. The engineer in charge of welfare work or who is making recommendations with reference thereto is always safe, however, in assuming that the primary object of this kind of work is to improve the physical, social and economic status of the employee. Increased production or increased profits through any other means cannot be considered as legitimate from the standpoint of human engineering, and the man who is devoting his life and efforts to this work must do so as an apostle of the employee, although receiving his compensation from the employer.

Welfare as related to industry, should extend from the temperature of drinking water and the type of clothes locker in the plant to the innermost r-e cesses of the employee's home, taking in, en route, his amusements, recreations and habits. The welfare of the employee's wife or children often have a more direct effect upon the production in a plant than does the treatment accorded the employee himself. With a sick wife receiving inadequate medical attention or an infant child being improperly nourished, a man cannot reach anywhere near his full efficiency. He may be ill himself and through the momentum occasioned by a task often done, be carried through a day without lessening production. With a mental strain occasioned by knowledge of an ill or improperly provided for family, he cannot maintain his pace. Assistance in the establishment of a playground many miles from the site of the plant or in the establishment of visiting school nurses may indirectly increase production.

As above stated, however, the field of activity in welfare work for the engineer engaged in human engineering is so tremendously large that it can hardly be touched upon i nthis article. Results, however, are muc hmore easily enumerated and are, briefly, improvement of the attitude of the worker towaro his task, and improvement of his attitude toward his fellow employees, the supervisory forces, and his employer. If a man does not look kindly upon his task, his fellow workmen, his foreme nor his boss, production suffers. On the other hand, a kindly attitude toward all of these means that he will devote his best efforts to his work in justice to himself, his craft, his plant and society at large.

**Wages and Working Conditions.**

The question is often askked of the men engaged in human engineering what his attitude should be toward wages and working conditions, it being understood that working conditions as used in this sense refers not to any of the things mentioned above but to the parcelling of work amongst crafts, hours of work, etc.

In accepting employment in human engineering, the engineer should have a full understanding with his employer as to whether as counsellor with reference to his particular specialty, he is supposed to include consideration of

wages and working conditions. To insure the desired results being obtained, the decision arrived should be known to the employees. They should feel either that they are free to take up with the engineer matters relating to wages and working conditions, or that these matters are entirely foreign to any with which he is dealing. It is difficult indeed to get the average employee to understand that this position, as he usually takes the stand that his wages and working conditions are the very foundation of his safety and welfare.

It is interesting to know that there are hundreds of engineers throughout the United States engaged in this specialty of human engineering, some of them having been civil engineers others, mechanical and electrical engineers. Practically without exception, their efforts have borne fruit and not only has industry been humanized by their activities, but the world has been made a better place to live in.—Professional Engineer.

## SUTTER COUNTY HIGHWAYS.

The Board of Supervisors of Sutter County has awarded the contract for construction the county highway from Yuba City to Oswald to the Federal Construction Co. of San Francisco. The new highway will be constructed of concrete 4½ inches thick and 15 feet wide for a distance of 4.01 miles.

The contract was awarded to the Federal Construction Co. at the following prices:

| | Per cu. yd. |
|---|---|
| Excavation | $ 1.50 |
| Concrete pavement | 11.00 |
| Concrete culverts | 20.00 |
| | Per lin. ft. |
| 12-in. corrugated metal pipe | .50 |

the county furnishing cement, rock, sand and reinforcing steel for the concrete, and corrugated metal pipe for culverts. The entire job, including materials, will cost $26,085 per mile at a total cost of $104,600.

The Supervisors called for bids on two other types of pavement, namely, asphalt base with Warrenite top, and waterbound macadam. The contractors did not bid on the macadam type, submitting figures only on the concrete and asphalt types. Clark & Henery Construction Co. of Stockton was the only other bidder.

The complete comparison of bids is as follows:

**Concrete Type.**
(4½ in. thick; 15 ft. wide.)

| | Per mile |
|---|---|
| *Federal Construction Co. | $26,085 |
| Clark & Henery Con. Co. | 27,290 |
| County Engineer's Estimate | 26,258 |

**Asphalt Type.**
(3½" Asphaltic Concrete, 1½" Warrenite; 15 ft. wide.)

| | Per mile |
|---|---|
| Federal Construction Co. | $24,880 |
| Clark & Henery Con. Co. | 25,940 |
| County Engineer's Estimate | 22,855 |

**Waterbound Macadam Type.**
(6 in. thick; 15 ft. wide.)

| | |
|---|---|
| Federal Construction Co | No bid |
| Clark & Henery Con. Co. | No bid |
| County Eng. Est. per mile | $13,948 |

*Awarded contract.

J. A. Dowling is president, and W. F. Hanrahan is secretary, respectively, of the Federal Construction Co., with offices in the Call Building, San Francisco. The contract will be under the supervision of County Engineer Edward von Geldern, and he has appointed J. D. Greene of San Francisco to act as resident engineer on this job.

## AGREEMENT IN THE BUILDING INDUSTRIES.

This agreement made this twenty-fourth day of February, one thousand nine hundred and twenty, by and between the Building Industries Association of the City and County of San Francisco, party of the first part, and the Building Trades Council of San Francisco, party of the second part.

Witnesseth, that

Whereas, Concessions and agreements between employers and craftsmen in the respective trades, necessarily exert an influence on the interest of both employer and employee in every other trade or branch of the building industry; and

Whereas, The establishment of minimum wages has for its purpose the stabilization of industry in the various centers or districts of the country, on the basis of a fair wage, under prevailing retail prices of the recognized necessities of life in the respective district; and

Whereas, It is desirable that rules respecting wages, working conditions and jurisdictional matters in each trade and craft be as nearly uniform as may be in all industrial centers (as distinguished from sparsely settled or country districts) throughout the State of California;

Now, therefore, the party of the first part, the authorized representative of of the employers in the allied building trades of San Francisco, and the party of the second part, authorized representative of organized labor in the building trades of San Francisco, each in consideration of the covenants and agreements of and by the other herein formulated, do hereby promise and agree as follows, to-wit:

First: That in order to preserve harmony, create stability and uniformity in the building business and encourage building, it has been agreed, that, commencing with the first day of April, 1920, the minimum wage scale shall be increased fifty cents per day for the following named crafts, viz:

Carpenters, cement laborers, elevator constructors and helpers, glass workers, asbestos workers, hod carriers (tending plasterers), housesmiths and architectural iron workers and helpers, in shops, housesmiths on reinforced concrete, house movers and derrickmen, millmen, millwrights, pile drivers, modelers and sculptors, mosaic and terrazzo workers, painters, slate and tile roofers, stair builders, soft stone cutters, material teamsters, tile setters and helpers, varnishers and polishers and wood carvers.

Also that all contractors, who shall have obligated themselves under present conditions, by boni fide contracts, on or before March 6th, 1920, shall be reimbursed in cash by the affected Union or Unions for the increase in wage payments under such contracts imposed by the new minimum wage, and it is further provided, that Contractors, on or before, the 15th day of March, 1920, shall notify the Union or Unions, so affected, of such contracts in writing and give for each contract separately, the estimated number of man-day's labor to be employed thereunder, on and after April 1st, 1920, and, failing so to do, shall forfeit all rights under this agrement.

Second: It is further agreed, by the parties hereto, that they shall make a study of authoritative statistics relative to conditions of labor and to the cost of necessities of life, leading to a reasonable conclusion and to a proper minimum wage, as the occasion arises.

Third: That the above mentioned parties shall, at all times, jointly and severally endeavor to promote and enforce the observance of the principals and practice herein set forth, through the State of California.

In witness whereof, the said parties have duly executed this agreement the day and year above written.

Building Industries Association:
(Signed) CHAS. W. GOMPERTZ
President.

Building Trades Council:
(Signed) P. H. McCARTHY,
(Signed) F. C. MacDONALD,
(Signed) ED. LEWIS,
(Signed) THOMAS FLYNN,
(Signed) JAMES R. HOPKINS.

## TWO BILLION FEET OF CALIFORNIA PINE TO BE CLEARED OF BARK BORERS.

Realizing that the destruction of California pine timber by bark boring beetles is a serious menace—a menace directly comparable only to that of forest fires, District Forester P. G. Redington has arranged for control work looking to the eradication of these destructive insects in some 115,000 acres of Government timber on the San Joaquin River drainage in the Sierra National Forest.

The drainage of San Joaquin was chosen as the scene of operations because of its high timber values (nearly 2 billion feet of Government stumpage being involved), values which are now being depreciated by the bark beetles; because these areas of timber are so sharply isolated that the spread of insects into them from outside areas will thus be checked; and because owners of large tracts of private timber adjacent to the Government holdings have agreed to cooperate by carrying on similar control work on their own holdings, it is stated.

The work will be started within the next month and will, Redington says, be under the direct supervision of M. A. Benedict, Supervisor of the Sierra National Forest.

## BUILDERS' EXCHANGE ELECTS DIRECTORS.

The Builders' Exchange held their annual meeting at their headquarters, 180 Jessie street, yesterday afternoon.

Reports from the Treasurer and from the Financial Secretary show the Exchange to be in a flourishing condition.

Directors for the ensuing year were elected as follows:

J. D. McGilvray, Stone Mason; C. W. Withington, Iron Works; J. A. Hart, General Millwork; E. S. Rainey, Brick Mason; Henry Jacks, Carpenter Builder; Alex Mennie, Plastering Contractor; L. J. Neal, Painting Contractor; W. W. Hayes, Carpenter Builder; J. W. Bender, Roofing Contractor; Chas. Cadman, Mortar Dealer; D. J. Sullivan, House Mover.

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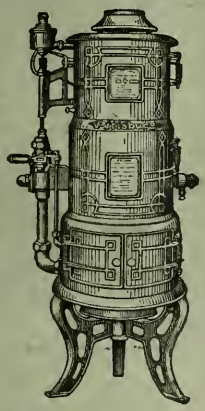

## A BIG THING

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Alexander Potter, Civil Eng., New York City.
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63 East Adams St. Chicago, Ill.

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Public Affairs ..... R. Sachse
Relations with Other Organizations ..... R. M. BEANFIELD

**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

**Chapter Office** 700 Marston Building 244 Kearny St., San Francisco

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# EDITORIAL

## A LEAF FROM LENIN'S POLICY ON MAN-POWER.

We call our readers attention to a special article on the above subject appearing in the Engineering News-Record for March 11, 1920, written by Frances A. Kellor, associate managing director of "The Inter-Racial Council," New York. The article is well worth reading and is of especial value to engineers, as it points out how the engineering profession by its knowledge, experience and training is particularly fitted to take hold of the problem of "Man-Power" that right now confronts this country and solve it in a way that will forever put a stop to any Bolshevist movement in America.

## AN OVERWORKED BIT OF PUBLIC HIGHWAY.

Editor San Francisco Chronicle—Sir: Our State Highway Commission should be highly complimented on the nice wide sidewalk just recently completed and known as the Banta cut-off. One would think from the width of it that cycle cars were about to return to our midst. Most everyone knows that it took a long time and a lot of good money to put two feet more on each side of the highway between Keys and Turlock last summer. The road there has not the Sacramento and Tahoe travel and the Banta cut-off has both. If it was too narrow between Modesto and Turlock, why does it handle more traffic between Tracy and the San Joaquin bridge? It looks as though someone pulled a "boner." There was some excuse for the old roads, put down by the counties in the early days, but since the State has taken a hand, and this a main artery, also the Lincoln highway it is surely a fine piece of work. All motorists know how nice the adobe shoulders are on a wet day, especially after they become two or three inches below the level of the concrete. I also notice the San Joaquin County Supervisors have hit upon one of the cheapest ways to repair their bridges ever known. All it takes is a two-by-four sign at each end of the structure stating that this bridge is unsafe for heavy loads. This on a main thoroughfare in the days of motor truck transport shows progressiveness and the signs are standing the weather fine, some having been up for over a year and a half.. A MOTORIST.

San Francisco February 14, 1920.

## RAILROAD COMMISSION NEWS.

What they claim is a solution of the many difficulties that have beset the Sacramento Valley West Side Canal Company, is set forth in an application filed today with the Railroad Commission by Alger Fast, as receiver of the Canal company, and joined by Merle B. Moon and J. H. Puelicher, representatives of the bondholders of the Canal company, and the Glenn-Colusa Irrigation District. The application asks the approval by the Commission of a lease by the Sarramento Valley West Side Canal Company of its entire irrigation properties to the Glenn-Colusa Irrigation District. The lease gives the irrigation district an option to purchase the properties, which are said to have a value in excess of $3,000,000 for one million dollars. The lease is to run for one year and provides for a monthly payment of $5,000.

The application declares that on February 28 of this year the Glenn-Colusa Irrigation District was formed for the express purpose of taking over the system of the West Side Company. In two or three months, the application says, the district expects to vote bonds to make the purchase. The lease plan, according to the application, has the approval, through Merle B. Moon, of 90 per cent of the bondholders of the West Side Company, who have also approved the option that is now held in trust for the irrigation district. The option was originally given to Colbert Coldwell, who assigned it to its present holders. Following is from the joint application:

"All of your petitioners are of the opinion that it is for the best interests of the landowners within the district served with water from the West Side Canal and Irrigation system to own and operate the system. It is the only practical way to secure from the system the greatest efficiency and the most benefit for the land owners and their crops. The proposed lease is but a step at the present time toward the ultimate acquisition and ownership of the system. The making of the proposed lease has been discussed with a great number of land owners in the district and it is a matter of general knowledge. It is the almost unanimous desire of the land owners that the lease be executed and the purchase consummated."

The Sacramento Valley West Side Canal Company's system is located in Glenn and Colusa counties. It consists of a main canal extending from a point on the Sacramento River about 25 miles northeast of Willows, thence in a general southwesterly direction for a distance of approximately fifty miles through the counties of Glenn and Colusa to a point about four miles northwest of the town of Williams. With its various laterals the system is capable of irrigating in excess of 100,000 acres. The water used for irrigation is obtained from the Sacramento River and from Stony Creek.

## HETCH HETCHY BIDS.

The City of San Francisco is calling for bids on the Hetch Hetchy tunnels, the day labor plan has to be abandoned, as the bonds, owing to the low interest rate refuse to move. We expect that a contract of this size will attract attention all over the United States among the large contracting firms.

## WATER OR POWER SHORTAGE.

Certain interests have raised the question of a water shortage in the Sacramento Valley for irrigation purposes, but the irrigators contend that in all the territory served by the power lines of the Northern California Power Co., now absorbed by the P. G. & E., there **is** plenty of water for irrigation and **was** plenty of power for pumping the water to the fields, but that the P. G. & E. wants to use the current elsewhere, where it will bring more money. A **temporary** solution will have to be worked out for this season by the powers that be, but a permanent solution must also be found and this solution lies only in "Flood Water Storage." For many years the older engineers have discouraged any efforts looking to control by storage and have in this been aided and abetted by a former chairman of the Reclamation Board who wanted control accomplished by levees only.

Time, however, has shown that all these efforts had a very selfish object in view, namely, the Sutter Basin project, and now we are confronted with a possible water shortage at the end of the irrigation season without even having **data** on hand that would enable us to study conditions and possibilities for storage on a scale that would prevent the agonies of the last three seasons. This should be remedied at once, and data should be collected from **all over** the State with a liberal idea of using all the available reservoir site sthat we possess.

# American Association of Engineers

### NEWS FROM NATIONAL HEADQUARTERS.

The Nebraska Engineering Society voted on March 8 to ama gamate with the American Association of Engineers.

The committee of the American Association of Engineers on salaries of engineers in teaching service consists to date of the following men: Professor P. H. Daggett of the University of North Carolina, Dean F. L. Bishop of the University of Pittsburgh, Professor Frederic Bass of the University of Minnesota, Dean Anson Marston of Iowa State College, Professor George F. Swain of Harvard University, Dr. S. P. Capen of the American Council of Education, A. N. Johnson, consulting highway engineer of the Portland Cement Association, Chicago; George C. Mason, consulting engineer of Portland, Oregon; Baxter L. Brown, consulting engineer of St. Louis; Harrison P. Eddy of Boston, H. Z. Osborne, Jr., consulting engineer of Los Angeles, California, and Clarence W. Hubbell, city engineer of Detroit, Michigan. C. J. Tilden, professor of engineering mechanics in Yale University, is chairman of the committee.

At the request of the Federal Department of the American Association of Engineers, Senator Calder of New York has proposed an amendment to the Rivers and Harbors Bill which provides for a 25 per cent increase of salary for assistant engineers and chief clerks in the engineering department-at-large, employed in connection with the improvement of rivers and harbors or on the construction of fortifications. This bill has passed the House and is now in the hands of the Senate Commerce Committee.

The membership of the American Association of Engineers was 13,668 on March 10th. Four hundred and two applications were received during the first eleven days in March.

The following officers have been elected by the Los Angeles Chapter: Frank H. Joyner, president; A. L. Harris and H. Z. Osborne, Jr., vice-presidents; and R. H. Holbrook, secretary. William D. Armstrong, Myron Hunt, F. C. McMillan and F. H. Olmsted are directors.

Isham Randolph of Chicago addressed the Detroit Real Estate Board on March 11 on "The Lakes to the Atlantic Waterway."

### AMERICAN ASSOCIATION OF ENGINEERS REDUCES ENTRANCE FEE.

All members of National Engineering Societies now join the American Association of Engineers at a reduced fee. The fee for such applicants will be $5 instead of $10. The membership now numbers 13,000 in the United States. Our local chapter has over 400 members. V. D. COUSINS,
For American Ass'n of Engrs.

### STATE ENGINEERING SOCIETY JOINS AMERICAN ASSOCIATION OF ENGINEERS.

The Michigan Engineering Society has entered the American Association of Engineers in a body. A state assembly will be formed from representatives of all chapters of the American Association of Engineers. This plan is now under consideration in California. V. D. COUSINS,
For American Ass'n of Engrs.

### WHAT IS THE MATTER WITH SAN FRANCISCO CHAPTER?

We call attention of the members and officers to a page in the "Professional Engineer," on which appears an ad of the A. A. E. called "Opportunity for Unity," signed thus:

**National Membership Committee**
**American Association of Engineers**
**63 East Adams St. Chicago, Ill.**
DISTRICTC OFFICES
Room 920, 1133 Broadway, Ney York City
Munsey Building Washington, D. C.
1318 Robert Fulton Bldg. Pittsburgh
625 Metropolitan Bldg. Los Angeles
408 Tilford Bldg. Portland, Ore.
Representatives in all cities, chapters and clubs in principal cities.

San Francisco Chapter is rather conspicuous by its absence. How about it-

### NEW BOOKS.

Urbana, Illinois, March 1, 1920.

When high potential differences exist between conductors, the insulating property of the surrounding gas partially breaks down, and a conduction of electricity through the gas takes place, usually accompanied by a glow at either one of the conductors or in the intervening space. This glow is called the corona. The phenomenon is commonly seen when static machines or Tesla coils are operated in the dark, and less frequently from the tips of lightning rods during an electric storm. The corona is evident at night as it surrounds very high voltage alternating current transmission lines. The conduction represents a loss of power, which on long lines may become an important item. In 1912, F. W. Peek, by a stroboscopic method, showed that there is a difference between the corona discharge from positive and negative conductors. This difference indicates that corona caused by alternating potentials is a combination of two effects; and in order to study these effects separately and thus to learn the true facts concerning the phenomenon, continuous potentials must be used. A study of the corona caused by continuous potentials may produce engineering data of value owing to the increasing development of high tension direct-current generation and transmission. Previous to 1914, Watson and Schaffers were the only men who had experimented on the direct current corona.

Because of the desirability of a greater knowledge of the direct-current corona, the Physics and Electrical Engineering Departments of the University of Illinois determined to carry out detailed research to develop a satisfactory theory for the corona phenomena. The results of the experimental research which has been completed during the last few years, have been published by Earle H. Warner with Jakob Kunz, as Bulletin No. 114 of the Engineering Experiment Station of the University of Illinois, Urbana, Illinois. Copies of this bulletin may be obtained without charge.

### NEW BOOKS.

#### ARMATURE WINDING AND MOTOR REPAIR.

**By Daniel H. Braymer,**
Managing Editor of Electrical World.
500 pages, 6x9, illustrated.

When called up on to locate troubles in motors and generators, electsricians and repairmen whose experience in this kind of work has been limited often find themselves wondering just what to do first. It is from just this viewpoint that the information on winding procedure and the hunting and correcting of troubles has been presented. That is, instead of discussing the fundamentals involved in any method of working out a repair problem, the actual problem or job as the case may be is discussed from the "how-to-do-it" standpoint. Then for each individual operation or procedure the applications of fundamental laws and rules are worked out.

Liberal use has been made of practical data and practices in repair shops so as to combine the good features of a book of methods with handbook information covering these methods.—McGraw-Hill Book Co., Inc., 239 West 39th street, New York City.

### THE SMALL PROJECT AND THE ENGINEER.

Engineers are prone to look askance at the small job, thinking that only large and epoch-making engineering feats are worthy of attention. This is a fallacy, and many a small job is today balled up for lack of expert engineering supervision. Engineers should not be averse to going **to the jobs.** Many a small community does not know where to turn when in need of engineering service, and very naturally fall prey to the plausible talk of some local, one-cylinder guy who once carried a chain. It is our advice to the **engineer** to get acquainted with the common people.

## CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings as reported to California Development Board by the several clearing house cities for last week showing the amount of increase on corresponding date last year:

| | | |
|---|---|---|
| San Francisco | $144,661,775 | $31,535,135 |
| Los Angeles ... | 68,821,000 | 32,483,000 |
| Oakland ..... | 10,361,900 | 2,427,940 |
| Sacramento .... | 5,453,494 | 1,260,517 |
| San Diego ..... | 3,395,733 | 867,655 |
| Fresno ..... | 4,796,281 | 2,254,918 |
| Stockton (b) .. | 6,001,400 | ..... |
| San Jose (b) .. | 4,918,108 | ..... |
| Bakersfield .... | 1,170,901 | 448,002 |
| Pasadena ..... | 2,115,462 | 803,092 |
| Santa Rosa .... | 449,730 | ..... |
| Long Beach .... | 3,153,772 | 2,430,873 |
| Berkeley ..... | 3,198,965 | ..... |

(b) bank debits.

## TRUCKS SOLVE KNOTTY TRANSPORT PROBLEMS.

By augmenting truck service and coastwise shipping and abandoning the railroads, which in Rumania are very bad, a Red Cross transportation expert solved the knotty post-armistice problems which threatened to tie up tons and tons of relief supplies.

This man, Capt. Raymond H. Trott of Bath, Me., has been awarded the decoration of Chevalier of the Star of Rumania for his services in this direction. He went to the Balkans shortly after the armistice as assistant transportation manager for the American Red Cross. His first experience in wrestling with the complex difficulties of railway, steamship and motor transport in the Balkan mountains was from the base headquarters at Salonika, then the most congested transportation center in Europe. Trucks and increased coastwise shipping solved the problem and let the sorely needed supplies through.

At Bucharest Captain Trott found new difficulties confronting him, but the main obstacle was the same—inability of railroads to cope with post-war demands. By augmenting the motor transport system he was able to reach all the important centers of Red Cross relief activities.

## DON PEDRO, DAM AND ENGINEER AGAIN DISCUSSED.

MODESTO, Stanislaus Co., Cal.—Directors of the Modesto and Turlock Irrigation Districts are considering the proposition of The Kraner Co., Inc., Balboa Bldg., San Francisco, for the building of the Don Pedro reservoir. Details of the offer have not yet been made public.

Notwithstanding the fact that R. V. Miekel, engineer for the Turlock District, was appointed at a recent session of the two boards in joint meeting, Percy F. Jones, Chief Engineer for the Modesto District, has outlined a plan calling for a Board of Control, to consist of engineers of the two districts and a consulting engineer to be selected by the two Boards and the two engineers.

From present indications the plan of Engineer Jones is favored.

## FEDERAL AID FOR PUBLIC ROADS.

In 1916 Congress passed the Federal Aid Road Act, which appropriated $75,000,000 for a period of five years, and in 1919 this appropriation was increased $200,000,000, making a total of $275,000,000 for the fiscal years 1916 to 1921 inclusive. This entire appropriation becomes available July 1st, 1920. California's share of Federal Aid for the five years is $8,384,354.57.

On account of the unsettled conditions due to the war the State's construction program was cut materially for several years and it availed itself of only a small part of these funds prior to 1919. Since that time, however, it has submitted on an average of four projects each month to the Secretary of Agriculture for approval.

To date 42 projects, estimated to cost $9,174,425.74, and on which Federal Aid was requested for $4,447,695.41, have been approved by the Secretary, and in addition six projects, estimated at $1,358,586.90, on which Federal Aid amounting to $679,293.45 is requested, have been submitted for approval.

Agreements between the State Highway Commission and the Secretary of Agriculture have been executed for 29 projects estimated to cost $4,703,979.97, and involving the expenditure of $2,335,296.04 Federal Aid funds. Agreements for four additional projects, involving the expenditure of $586,096.12 Federal Aid Funds are in process of execution and should be signed within a month.

There are under construction at present twenty-eight projects, of which eight are practically completed. The remainder are in various stages of completion, but all of them should be finished during the present year. Three projects have been completed to date and final payments amounting to $195,976.00 have been made. In addition to this amount $350,476.29 has been paid to the State on progress estimates by the Government.

The projects are widely scattered into every part of the State, but they are all located on the State Highway System. They are located in 31 different counties. Counties having more than one project are Humboldt, 5; San Diego, 4; Fresno, Mariposa, Mendocino and Los Angeles, 3 each; Del Norte and Shasta, 2 each.

Under the appropriation for Forest Roads in the Federal Aid Act, California has been allotted a total of $1,900,000 to date. The major portion of these funds are being expended in Northern California on the Klamath and Salmon River roads, but construction will start in the San Gabriel and Arroyo Seco Canyons, near Los Angeles, within a short time, and as soon as weather permits construction will be started in the higher elevations in other parts of the State.

## ANNOUNCEMENT FROM PORTLAND CEMENT ASSOCIATION.

C. N. Reitze, formerly District Engineer of the Seattle office of the Portland Cement Association, has been appointed District Manager of the Pacific Coast offices of the Association at Seattle, Portland, San Francisco and Los Angeles. Since May, 1916, Mr. Reitze has been District Engineer in charge of the Seattle office of the Association and temporarily will be located in Seattle, although later in San Francisco. Mr. Reitze, who is a native of Seattle, was General Manager of the firm of Reitze, Storey & Duffy, general engineers, Seattle, from 1905 to 1916.

A. P. Denton, formerly District Engineer of the Dallas office of the Association, assumes charge of the San Francisco office as District Engineer, effective March 15. Mr. Denton has been District Engineer at Dallas since 1916. For a number of years he was connected with the County Engineer's office of King County, Wash., and from 1913 until joining the Association forces was County Engineer of King County.

Charles A. Clark is appointed District Engineer of the Dallas office of the Association, effective March 15, to succeed A. P. Denton. Mr. Clark has been in the employ of the Association since 1917, serving in various capacities in the field and at Association headquarters. Before joining the Association staff, he was resident Engineer for the Illinois State Highway Departemnt in charge of concrete road and bridge construction, especially as Chief Assistant on the Vermilion County, Illinois, concrete road system.

H. E. Frech will assume charge of the St. Louis office of the Association as District Engineer, effective April 1. For two years immediately prior to coming with the Association, Mr. Frech was City Engineer of Hannibal, Mo., and for three years prior was connected with the Stone & Webster Engineering Corporation of Boston.

## ROME IS STILL BUILDING.

An interesting feature of the new building program at Rome is provision for the immediate erection of two entirely new suburbs outside of the present city limits and for these suburbs an attractive type of small cottage has been selected which resembles American or English designs more than Italian.

One of the new "garden cities" as they are called, located east of Rome, will have sufficient houses to accommodate several thousand families. More than 2000 families, including many officials and employes of the state railway administration, have already made application for accommodations. Every effort will be made to render the new suburbs as attractive and complete as possible. Many thousands of shade trees will be planted and schools, churches and other public buildings will be erected immediately. Within the city limits an extensive building program is being carried out, the housing problem in Rome having reached an acute stage some time ago and many thousands of people living in temporary and crowded quarters. The execution of the program has been entrusted to a special committee, presided over by an under-secretary of the ministry of industry, commerce and labor.

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES.

Plans Being Prepared.
APARTMENTS Cost, $25,000
SAN FRANCISCO. Geary Street near Larkin.
Three-story Class "C" apartments.
Owner—Withheld.
Architect—Harold D. Mitchell, 628 Montgomery St., San Francisco.

Plans Being Figured.
APARTMENTS Cost, $——
SAN JOSE, Santa Clara Co., Cal. Park Avenue.
Two-story frame and plaster apartment house (4 3-room apts.)
Owner—Withheld.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Figures are being taken for a general contract.

Contract Awarded.
AUTO SALES & APARTMENT BLDG. Cost, $34,000.
COLUSA, Colusa Co., Cal.
Two-story brick auto sales and apartment building (6 apts. on 2nd floor, garage in rear).
Owner—Colusa Motor Sales Co.
Architects—Edwin J. Symmes, Wells Fargo Bldg., 2nd and Mission Sts., San Francisco, Care Yosemite National Park Co.
Contractor—Alexander Wieben, 3602 Fruitvale Ave., Oakland.
Other bidders were:
W. C. Blean, Colusa.....$34,500
Braunton Bros., Colusa..... 37,000
L. S. Lewis..... 37,176

Segregated Figures Being Taken.
APARTMENTS Cost, $35,000
SAN FRANCISCO. Geary Street near Hyde Street.
Five-story reinforced concrete apartments, 8 3-room apts. (1 store).
Owner—Withheld.
Architect—J. F. Dunn, Phelan Bldg., San Francisco.
(33666) 1st report March 4, 1920.

Additional Contracts Awarded.
ADDITION Cost, $60,000
SAN FRANCISCO. N McAllister Street Bt. Leavenworth and Hyde Sts.
Five-story and basement steel and concrete addition to apartment house (35 2-room apts.) Argyle apartments.
Owner—Edw. Rolkin.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
**Structural Steel** awarded to The Shrader Iron Works.
**Plumbing** to Frank J. Klimm.
As reported before, the concrete work will be done by Chas. Sartori, 180 Jessie St., and the carpentry work by days labor.

Plans Prepared.
ALTERATIONS Cost, $40,000
SAN FRANCISCO. W Jones 122-6 S Sutter Street.
Alterations to fire damaged five-story and basement Class "C" apts.
Owner—Berkshire Apt. Co. (Mr. Sly), Stanford Court Apts., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Work will probably be done by days labor and sub-contracts.

Segregated Figures Being Taken.
APARTMENTS Cost, $27,000
SAN FRANCISCO. Hyde near Geary.
Three-story reinforced concrete apartment house (6 3-room apts.)
Owner—Withheld.
Architect—J. F. Dunn, Phelan Bldg., San Francisco.

### BONDS.

NEVADA CITY, Nevada Co., Cal.—Steps are being taken for the calling of an election to decide the question of issuing and selling bonds with which to finance construction of a new city hall, pave the streets leading from the heart of the business center to the State Highway leading to Grass Valley, construct a new road to connect with the State Highway leading to Downieville, and equip a permanent auto park.

HOLLISTER, San Benito Co., Cal.—W. J. Cagney, Superintendent of Schools, has mapped out the following proposal for a school bond issue providing $100,000 for school improvements:

Purchase of Prior Property, adjoining high school, $4,500; erection of one-story brick veneer school housing from 300 to 400 pupils, $65,000, with equipment costing $9,500.

Purchase of Thompson Property on San Benito street for $4,500, same to be held until future school needs.

Purchase of Barrett property opposite grammar school grounds for $4,500 for playground and school garden.

Improving present grammar school, $8,000; remodeling upper floor for assembly room, lunch room, drinking fountains, electric work and office equipment.

WALNUT CREEK, Contra Costa Co., Cal.—Steps are being taken to call a bond election to decide the question of issuing bonds with which to finance the paving of the main street through the town and Lafayette Boulevard.

A request was made to the County Supervisors to have the work done, but county funds could not be used in the work.

VISALIA, Cal.—April 16 is the date set for voting on the $115,000 bond issue for additions to the high school.

PEORIA, Ariz.—An election will be held March 27 in the Peoria High School District, Maricopa County, to vote on issuing $175,000 bonds for a new building.

MESA, Ariz.—An election will be held March 27 in School District No. 65, Maricopa County, to vote on issuing $24,000 bonds for a new building.

SANTA ANA,, Cal.—The validity of the bond issue of $60,000 voted by Orange Thorpe School District and bought by R. H. Moulton Co., has been questioned by attorneys for the bond buyers. About half the district is in the city of Fullerton. The matter has been referred to the District Attorney.

BISHOP, Cal. — The Lumberman's Trust Co. of Portland has refused to accept the $150,000 Bishop High School bond issue and the bonds must be sold again.

FERTILLA, Cal.—The $13,500 high school bond issue carried at a special election.

LANCASTER, Cal.—April 16 is the date set for voting on the issuance of $200,000 bonds for additions to the high school.

CALEXICO, Cal.—An election will be held to vote on issuing $150,000 bonds for additions to three grammar schools and a new building in East Calexico.

BAKERSFIELD, Cal.—The $300,000 bond issue for grades schools and $200,000 bond issue for additions to the high school carried at the special election.

LOMPOC, Santa Barbara Co., Cal.—The $400,000 bond issue for constructing an improved road from Buell flats through Lompoc to Surf, carried at the special election. The new road will join with the state highway and the county highways to be built in San Luis Obispo County. Santa Barbara County has promised to add $100,000 to the $400,000 raised by bonds.

EL CENTRO, Imperial Co., Cal.—Directors of the Imperial Irrigation District have taken up the matter of submitting a bond issue of $9,000,000 to build the first leg of the proposed All-American canal from Laguna dam to Hanlon heading, and also a bond issue of $30,000,000 to build the entire canal.

ALTURAS, Modoc Co., Cal.—Bonds of $100,000 to finance improvements have been voted in the Hot Springs Irrigation District. The district was recently organized. Thousands of acres will be irrigated when the reservoir known as the Big Sage Reservoir is constructed.

SAN ANSELMO, Marin Co., Cal.—The bond issue for nine reinforced concrete bridges for which preliminary plans and estimates were prepared by Howe & Peters, Consulting Engineers, 24 California St., San Francisco, and which failed to carry by twenty-seven votes at the recent election, will probably be submitted to the voters following the regular election in April. The total cost of the bridges is estimated at $65,000.

SAN JOSE, Santa Clara Co., Cal.—The $700,000 school bond issue, $400,000 for high school improvements and $300,000 for grammar schools, carried by a vote of seven to one.

The matter of selecting architects for the structures to be erected will be taken up at the next meeting of the Board of Education.

Agnes E. Howe is County Superintendent of Schools.

SANTA ROSA, Sonoma Co., Cal.—An election will be held April 6th in the Courth House School District to decide the question of issuing and selling bonds of $250,000 with which to finance construction of a new school building. Trustees of the District are: John Rinner, Mrs. May Payne and Eugene C. Farmer.

Architect W. H. Weeks, 75 Post St., San Francisco, is preparing the plans for the building.

## CHURCHES.

Preliminary Plans Being Prepared.
CHURCH Cost, $300,000
LOS ANGELES. Olive Street Bet. 5th and 6th Streets.
Class "A" church.
Owner—St. Paul's Pro. Cathedral, 523 S-Olive St., Los Angeles.
Architect—Reginald Johnson, 100 E-Colorado St., Pasadena.

## FACTORIES AND WAREHOUSES.

Contract Awarded.
CANNERY Cost, $20,000
SAN FRANCISCO. N Beach 45-10 W Taylor.
One-story frame cannery, 91-8x137-6.
Owner—A. Paladini, 540 Clay St., San Francisco.
Architect—None.
Contractor— J. E. Scully, Phelan Bldg., San Francisco.

Plans Being Prepared.
FACTORY BIDG. Cost, $60,000
OAKLAND, Alameda Co., Cal.
One-story reinforced concrete factory building.
Owner—Apex Appliance Co., 1723 Broadway, Oakland.
Architect—Eng. Depa. of Owners in Chicago.

Plans Being Prepared.
PACKING PLANT Cost, $50,000
MONTEREY, Monterey Co., Cal.
Two-story frame packing plant.
Owner—Withheld.
Architect—A. W. Burgren, Phelan Bldg., San Francisco.
Plans will be ready for figures in about two weeks.

SAN FRANCISCO—The Pacific Fruit Express Company, C. M. Secrist, vice-president and general manager, 65 Market St., San Francisco, is planning extensive improvements to their various plants. Plans are being prepared by the company's engineering department. Figures will be taken and contracts awarded on portions of the work and the balance will be carried on by the company's forces.

The following is a list of the contemplated improvements:

Roseville, Cal.—Conversion of plant to electric drive, installation of additional 150 ton daily electric driven unit and extension of icing platform at a cost of $239,000.

Calton, Cal.—Installation of additional 175-ton daily electric driven unit, and increase in day storage at a cost of $210,500.

Los Angeles—Conversion of steam plant to electric drive; installation of additional 100-ton daily electric driven unit, and construction of 12-000-ton storage room.

Sparks, Nev.—Abandonment of the icing station at Truckee and the establishing of a regular icing station at Sparks for all shipments moving over Southern Pacifis under refrigeration. Construction of an electric-driven artificial ice-manufacturing plant of 150 tons daily capacity, and 20,000 tons storage, costing $369,500.

North Platte, Neb.—Abandonment of present ice houses and construction of new icing plant and installation of a new 50-carload capacity platform at a cost of $464,000.

Wallula, Wash.—Conversion of the present natural ice storage house to artificial ice manufacturing plant of 4,000 tons daily capacity to cost $66,000

Carlin, Nev.—Increase storage capacity by 10,000 tons and lengthen platform by ten car lengths. Cost, $62,670.

Laramie, Wyo.—Construction of a modern natural ice storage house of 25,000 tons capacity and new icing platform of 55 car-lengths, to cost $177,000.

SAN BERNARDINO, Cal.—Architect Howard E. Jones, Katz Bldg., San Bernardino, is preparing plans for a steel and corrugated iron building, 70x75 ft., to be erected by the Hanford Iron Works at its plant in San Bernardino. A 5-ton electric traveling crane will be installed and an electric furnace will be constructed. The new unit of the plant will cost $50,000 to $75,000. W. J. Hanford is head of the corporation.

STOCKTON, San Joaquin Co., Cal.—The Sperry Flour Co., through its local manager, J. L. Eichelberger, has filed a petition with the City Council asking the construction of a steel shed on the waterfront similar to and immediately east of the present shed used by the company. The company offers to advance the money, $5,000, to finance construction, if the Council will agree to return same through a rental proposition. The matter has been referred to the City Planning Commission for report.

To be Done By Days Work.
FRUIT DRYERS Cost, $——
HEALDSBURG, California.
One-story concrete and frame fruit dryer.
Owner—Pacific Exaporating Co., 425 1st National Bank Bldg., San Francisco.
Architect—Walter Falch, Hearst Bldg., San Francisco.
NOTE:—This is the first one of several dryers to be erected in California and Oregon.

## FIRE HOUSES AND JAILS.

Plans Being Figured. Bids Close April 19, 1920.
ENGINE HOUSE Cost, $——
FRESNO, Fresno Co., Cal. Lots 7, 8, 9, 10 and 11 Blk 224, Fresno.
Two-story brick and frame fire engine house.
Owner—City of Fresno, Chas. Dillon, City Clerk.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Plans may be had from the office of the City Clerk.
Certified check for 10% payable to Mayor and City Clerk of Fresno required.

## GARAGES.

Working Drawings Being Prepared.
GARAGE. Cost, $——
BERKELEY, Alameda Co., Cal. Channing Way near Fulton.
One-story brick garage, 50x137-6.
Owner—Joseph Davidson.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Plans will be ready for figures in about a week.

Plans Being Figured.
GARAGE Cost, $15,000 to $20,000
SAN JOSE, Santa Clara Co., Cal. South First Street.
One-story reinforced concrete garage.
Owner—Curtner & Wright.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Figures are being taken for a general contract.

## GOVERNMENT WORK & SUPPLIES.

FRESNO, Fresno Co., Cal.—Postmaster Earle Hughes reports that plans for an addition to the Fresno postoffice, containing 4,000 square feet of floor space, are being completed, and a call for bids will be issued in the near future.

The addition will be of a temporary nature pending the appropriation of $750,000 to erect a new structure.

SAN DIEGO, Cal.—The naval appropriation bill as completed by the sub-committee of the house naval affairs committee carries an appropriation of $750,000 for development of a naval base for light draught vessels at San Diego, $400,000 for a reinforced concrete storehouse at San Diego, and $1,000,000 for a naval training station adjoining the marine camp at San Diego.

Navy Department, Office of the Chief of the Bureau of Yards and Docks, Washington, D. C.—Bids are wanted until April 7, specification 4097, for kitchen equipment at the Marine Corps base, San Diego, Calif. Estimated cost, $22,000. Deposit for plans, $10. For information address as above.

Following is a list of prospective bidders for this work:

J. L. Shroger, 5660 W. Taylor St., Chicago, Ill.

Wrought Iron Range Co., St. Louis, Mo.

S. B. Sexton Stove Mfg. Co., 501 W. Conway street, Baltimore, Md.

Mansfield & Savage, 135 William street, New York City.

Lawrence Ellerbrook, Inc., 29 S. Frederick street, Baltimore, Md.

L. Barth & Son, 32 Coper Square, New York City.

John Hoos Co., 306 Hanover street, Baltimore, Md.

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WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing and delivering the following materials (date of opening bids noted at end of each paragraph):

Schedule 5724, for Puget Sound, 1 air compressor, opening of April 2.

Schedule 5745, for Mare Island, 55,000 lbs. steel angles, opening of April 9.

Schedule 5750, for Mare Island, 15 oil burning ranges, opening of April 2.

Schedule 5751, for Puget Sound, 1 armature coil winding lathe, 1 armature coil winder, 1 spreader or former for armature coil, 1 taping machine, 1 coil winding machine, 10 armature pedestals, 2 armature ovens, 1 welding outfit, 1 paper cutter and 1 bench drill, opening of April 2.

Schedule 5753, f. o. b. works, 3,000 extender mechanism, opening of March 26

Schedule 5758, for Mare Island, 340 ft. flexible metallic hose, opening of April 2.

Schedule 5794, for Puget Sound, 1 deck planer, opening of April 9.

Schedule 5796, for Mare Island, copper cable, opening of April 6.

Schedule 5801, for Mare Island, 6 timing devices, opening of April 6.

Schedule 5802, for Mare Island and Puget Sound, soft sheet steel, opening of April 9.

Schedule 5806, for Puget Sound, 10 gross silk thread, opening of April 6.

Schedule 5807, f. o. b. works, 100 seaplane gasoline strainers, opening of March 30.

Schedule 5809, f. o. b. works, 20,000 dry cells, opening of March 30.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

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## HOSPITALS.

Plans Being Figured. Bids Close May 3, 1920.
CHILDREN'S WARD, ETC. Cost, $——
SACRAMENTO, Cal. County Hospital
Two-story and basement reinforced concrete and hollow tile service and children's ward.
Owner—Sacramento County.
Architect—R. A. Harold, Forum Bldg., Sacramento.

## HOTELS.

Plans Being Prepared.
HOTEL Cost, $200,000
TULARE, Tulare Co., Cal.
Fireproof hotel.
Owner—Business Men of Tulare.
Architect—Geo. A. Howard Jr., 821 Story Bldg., Los Angeles.

Plans to be Prepared.
HOTEL Cost, $200,000
HANFORD, Kings Co., Cal. Old Catholic Church site.
Five or six-story fireproof hotel, 150x150.
Owner—Geo. C. Aydelott, Hanford, Cal.
Architect—Not Yet Selected.
A corporation will be formed among Hanford business men to finance construction of the building.

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AVALON, Los Angeles Co., Cal.—Plans have been prepared for a 1000-room fireproof hotel to be built on Catalina Island, according to a statement by D. M. Renton, general manager of the Santa Catalina Island Co. Work is progressing rapidly on the 160-room Atwater hotel which will cost $250,000.

## PUBLIC BUILDINGS

Plans Being Re-Figured. Bids Close April 13, 1920, 2 P. M.
COURT HOUSE Cost, $150,000
INDEPENDENCE, Inyo Co., Cal.
Reinforced concrete and terra cotta court house.
Owner—Inyo County.
Architect—W. H. Weeks, 75 Post St., San Francisco.
All bids received Feb. 2 for erection of proposed new court house were rejected, the lowest bid being $194,000 and only $150,000 being available from the bond issue.

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SAN FRANCISCO—The Board, of Public Works has awarded a contract to John Spargo, 240 Montgomery St., for the construction of the reinforced concrete convenience station on the Ocean Beach Esplanade. A request has been made of the Supervisors to appropriate $33,000 to cover the cost of the contract.

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OAKDALE, Stanislaus Co., Cal.—The City Trustees have purchased the site and one-story brick building of the Emery Estate in West Railroad and will remodel the structure for a temporary city hall. The building is 50 by 60 feet in size.

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TURLOCK, Stanislaus Co., Cal.—The Board of Trade has agreed to furnish $1,200 with which to finance construction of a swimming pool in Crane Park. The tank will be of concrete construction.

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Contracts Awarded.
BATHHOUSE, ETC. Cost, $39,895
COLUSA, Colusa Co., Cal.
Concrete swimming pool, 40x120; filteration plant, brick or hollow tile and frame bathhouses (stucco exterior). Separate bids will be received for filter system.
Owner—City of Colusa.
Architect—Edwin J. Symmes, Wells Fargo Bldg., 2nd and Mission Sts., San Francisco, Care Yosemite National Park Co.
**General Contract** awarded to Alex. Wieben, 3602 Fruitvale Ave., Oakland, at $35,875.
**Filter Contract** awarded to the Water Works Supply Co., New Call Bldg., San Francisco, at $3,920.
The only other bids were as follows: Schnebly & Hostrawser of Oakland at $43,000 for general contract, and The California Filter Co. for the filter.

MODESTO, Stanislaus Co., Cal.—The Supervisors, Hugh Benson, County Clerk, has appropriated $10,000 for new buildings at the county fair grounds and promises each year to increase that sum for further construction.

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WINNEMUCCA, Nevada.—Contracts for furniture and fixtures for the new County Court House have been awarded by the Humboldt County, Nevada, Commissioners, as follows:

Rucker Fuller Desk Company of San Francisco, sixty-five office and court room chairs of various types, $3,345.03; C. B. Brown Company of Winnemucca, seventy-two opera chairs for the court room, $702; Donnels & Steinmetz of Reno, carpets, rugs, linoleum and window shades, $4,290.05; Reno Electrical Company of Reno, lighting fixtures, $1,777.72; C. B. Brown Company, court room specials, $1949; A. Carlisle & Co. of Nevada, steel furniture, $4,718.60.

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SAN FRANCISCO.—Bids for furnishing and installing folding gates in the Exposition Auditorium will be called by the Board of Public Works within the next few weeks. An appropriation to cover the cost of the work will be made by the Supervisors shortly.

## RESIDENCES.

Plans Being Figured. Bids Close in about a Week.
RESIDENCE Cost, $18,000
PACIFIC GROVE. Ocean Blvd.
Two-story frame and stucco residence.
Owner—Mrs. M. E. Faull, 325 N-Third St., San Jose.
Architect—Warren Skillings, Garden City Bank Bldg., San Jose.

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Segregated Figures Being Taken.
RESIDENCE Cost, $25,000 to $30,000
PIEDMONT, Alameda Co., Cal. Crocker and La Salle Avenues.
Two-story brick Colonial residence (11 rooms).
Owner—C. C. Clay, Care Sherman & Clay.
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.

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Plans Being Revised.
ADDITION Cost, $3,000
HILLSBOROUGH, San Mateo Co., Cal.
One-story 5-room addition to present frame residence.
Owner—Mr. Henry.
Architect—Capt. Ernest Norberg, 742 Market St., San Francisco.
NOTE—C. H. Bessett of San Francisco submitted the lowest bid at $5,100

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Concrete Work Figures Being Taken.
RESIDENCE & GARAGE Cost, $70,000
SAN FRANCISCO. NE Vallejo and Baker Streets.
Two-story and basement reinforced concrete residence and garage (15 rooms and 4 bathrooms).
Owner—E. L. Hueter, Flatiron Bldg., San Francisco.
Architects—Louis M. Upton and Milton Latham, 454 Montgomery St., San Francisco.
Figures will be taken in about 2 or 3 weeks for the general contract. Only figures for the foundation and concrete work are being taken at this time.

Plans Being Figured.
BUNGALOW Cost, $——
BURLINGAME, San Mateo Co., Cal.
One-story frame bungalow (8 rooms).
Owner—H. Michael.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Contract Awarded.
DWELLINGS Cost, $18,064
TURLOCK, Stanislaus Co., Cal. Delhi Colony.
Four frame and stucco Townsite dwellings (5 rooms each) with two garages.
Owner—State Land Settlement Board, Delhi Colony, Turlock, Cal.
Farmatead Engineer—Max E. Cook, Turlock, Cal.
Contractor—Frank A. Johnson, Route No. 1, Box 6A, Turlock, Cal.

Owners Taking Figures.
BUNGALOWS Cost, $——
SAN FRANCISCO. Taraval Bet. 34th and 35th Aves. and on 28th Avenue near Taraval.
Ten frame bungalows.
Owner—Parkside Realty Co.
Architect—Chas. F. Strathoff, 2276 15th St., San Francisco.
Figures are being taken for a general contract.

Plans Being Prepared. To be Done by Days Work.
RESIDENCE & GARAGE Cost, $7000
RICHMOND, Contra Costa Co., Cal.
Frame residence and garage.
Owner—Carl Overaa, 1808 Roosevelt, Richmond.

Plans Being Prepared. To be Done by Days Work.
RESIDENCE Cost, $7,000
RICHMOND, Contra Costa Co., Cal.
One-story frame residence.
Owner—Norman Anderson, 591 8th St., Richmond, Cal.
Architect—Not Given.

Contract Awarded.
BUNGALOWS Cost, $——
RICHMOND, Contra Costa Co., Cal.
Several one-story frame bungalows.
Owner—W. B. Thurman.
Architect—Not Given.
Contractor—Norman Anderson, 591 8th St., Richmond, Cal.

## SCHOOLS.

Plans Being Figured. Bids Close Apr. 1st, 5 P. M.
SCHOOL Cost, $——
TRACY, San Joaquin Co., Cal. SW Central Ave. and Eleventh St.
One-story reinforced concrete grammar school.
Owner—Tracy Grammar School District, J. H. Von Sosten, Clerk, Tracy, Cal.
Architect—W. J. Wright, Bank of Italy Bldg., Stockton, Cal.
NOTE:—Bids shall be for the furnishing of all labor and material and constructing a one-story building.
Said bids may be for Division (1) which shall include all work except heating plant or for Division (2) which shall include heating plant and oil burner.
Plans may be had from the office of the architect.

Completing Plans. Figures to be Called For Shortly.
SCHOOL BLDGS. Cost, $150,000
BISHOP, Inyo Co., Cal.
One reinforced concrete building and three frame buildings for high school.
Owner—Bishop Union High School.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Preliminary Sketches Prepared.
SCHOOL Cost, $15,000
SAN FRANCISCO. Washington St. near Maple.
One-story frame and plaster private school (4 rooms).
Owner—Mrs. Salz.
Architect—W. C. Hays, 1st National Bank Bldg., San Francisco.

Plans Being Prepared.
SCHOOL Cost, $80,000
BIG PINE, Inyo Co., Cal.
Reinforced concrete high school.
Owner—Big Pine High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Prepared.
SCHOOL Cost, $65,000
LODI, San Joaquin Co., Cal.
One-story hollow tile school (8 class rooms and auditorium).
wner—Lodi School District.
rchitect—W. J. Wright, Bank of Italy Bldg., Stockton.

Plans Being Prepared.
SCHOOL Cost, $27,000
ANAHEIM, Orange Co., Cal. Southesst of Anaheim.
One-story hollow tile school.
Owner—Katella School District.
Architect—Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles.

Plans Being Prepared.
SCHOOL Cost, $45,000
MOORPARK, Ventura Co., Cal.
One-story and part basement hollow tile school.
Owner—Moorpark School District.
Architect—Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles.

Bonds Sold. Figures to be Called For in About Two Weeks.
SCHOOL Cost, $23,000
VISITACION, San Mateo Co., Cal.
One-story frame school.
Owner—Visitacion School District.
Architect—Capt. Ernest L. Norberg, 742 Market St., San Francisco.

Plans Being Prepared.
CLASSROOM, ETC. Cost, $70,000
SUNNYVALE, Santa Clara Co., Cal.
One-story reinforced concrete classroom building and one-story frame manual training and domestic science building.
Owner—Sunnyvale Grammar School District.
Architect—Capt. E. L. Norberg, 742 Market St., San Francisco.
NOTE:—Plans will be ready for figures about April 15th.

Plans Being Prepared.
SCHOOL Cost, $20,000
SAN BENITO, Co. Fairview School District.
One-story frame and plaster school.
Owner—Fairview School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Contract Awarded.
SCHOOL Cost, $65,000 apprxoimately
LOVELOCK, Nevada.
One-story and basement brick school.
Owner—Lovelock School District.
Architect—Geo. C. Sellon, 1006 8th St., Sacramento.
Contractor—Howard S. Williams, Hearst Bldg., San Francisco.

LONG BEACH, Los Angeles Co., Cal.—J. W. Davidson, 351 Walnut St., Long Beach, submitted the lowest bid at $161,286 on the general contract for the erection of a new building at the Long Beach High School site in accordance with plans and specifications prepared by Architect John C. Austin, Los Angeles, and W. Horace Austin, Long Beach, associated. The building will contain ten class rooms, music and art departments each consisting of three rooms, 5 conference rooms, study hall for 400 pupils, library, lavatories, etc. Concrete foundation, 138x148 feet, brick walls, plastered exterior, composition roof, art stone trim. The bids were taken under advisement.

Commissioned to Prepare Plans.
SCHOOL Cost, $——
VALLEJO, Solano Co., Cal. Capitol & Colusa Streets.
Fireproof elementary school.
Owner—City of Vallejo.
Architects—Woollett & Lamb, Physicians Bldg., Sacramento, and Perry & Clark of Vallejo, Associated.

Commissioned to Prepare Plans.
SCHOOL Cost, $——
VALLEJO, Solano Co., Cal. Matthew's Tract on Benicia Road.
Fireproof school.
Owner—City of Vallejo.
Architects—Perry & Clark, 1209 Sutter St., Vallejo.

Commissioned to Prepare Plans.
SCHOOL Cost, $250,000
VALLEJO, Solano Co., Cal.
Class "A" high school.
Owner—City of Vallejo.
Architects—W. H. Weeks, 75 Post St., San Francisco, and Perry & Clark of Vallejo, Associated.

CLOVIS, Fresno Co., Cal.—The following firms submitted the lowest bids for masonry and roofing in connection with the construction of the Clovis High School, from plans prepared by Architect W. H. Weeks, 75 Post St., San Francisco:
**Masonry,** F. Gardiser, 420 Bellvue St., San Jose, $4,200.
**Roofing,** Mallott & Peterson, Monadnock Bldg., San Francisco, $1,400.

Plans Being Prepared.
SCHOOL Cost, $——
BAKERSFIELD, Kern Co., Cal. McFarland School District.
Two-room school.
Owner—McFarland School District.
Architect—O. H. Clarke, Bakersfield.

Commissioned to Perpare Plans.
SCHOOL Cost, $65,000
MILL VALLEY, Marin Co., Cal.
One-story brick or hollow tile school (8 rooms and an assembly hall).
Owner—Mill Valley School District.
Architect—Walter H. Parker, 234 Pine St., San Francisco.

TURLOCK, Stanislaus Co., Cal.—The following bids were received and contracts awarded to the lowest bidders by the Turlock School District (Chas. Lindahl, Cler) on March 17th, for the construction of two-story and basement brick additions to the Lowell and Hawthorne schools. Plans were prepared by Architect W. H. Weeks, 75 Post Street, San Francisco.

**General Contract.**

**Chas. A. Tornell, Turlock** (Lowell) $44,-200; (Hawthorne) $49,400.

**John D. Carlson, Turlock** (Lowell) $41,265, **awarded;** (Hawthorne) no bid.

**R. W. Moller, San Francisco** (Lowell) $47,802; (Hawthorne) $47,650 **awarded.**

**Wakefield & Peterson, Turlock** (Lowell) $43,967; (Hawthorne), $49,800.

**Heating System.**

**Scott Co., San Francisco** (Lowell) $7,-520; (Hawthorne) $6,360.

**H. W. Finch, San Francisco** (Lowell) $8,641.25; (Hawthorne) $7,097.94.

## STORES AND OFFICES.

Contract Awarded.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. Market Street near Van Ness Avenue.
Three-story reinforced concrete auto sales building.
Owner—Mrs. Drexler.
Lessee—Clydesdale Truck Co.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor—The Mission Concrete Co., 180 Jessie St., San Francisco.

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Contracts to be Awarded.
STORE & OFFICES Cost, $125,000
SAN FRANCISCO. NE Battery and Halleck Streets.
Two-story and basement Class "C" stores and offices.
Owner—McDermott Estate.
Architect—Benj. C. McDougall, 381 Bush St., San Francisco.

E. T. Leiter & Son submitted the lowest bid at $107,757 for the general contract, and A. W. Kitchen, 110 Market street, for the piling at $5,135. The contracts will be signed within the next few days.

The Otis Elevator Co. submitted the lowest bid for the elevators.

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Plans Being Prepared.
LOFT BLDG. Cost, $——
SAN FRANCISCO. Howard and New Montgomery Streets.
Eight-story and basement Class "A" loft building.
Owner—Sharon Estate.
Lessee—Furniture Exchange, 1055 Market St., San Francisco.
Architect—Kenneth MacDonald, 234 Pine St., San Francisco.

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Work Started by Day Labor.
OFFICE Cost, $4,500
MODESTO, Stanislaus Co., Cal. Tenth Street, bet. F and G Streets.
Two-story brick City Engineer's Office, 30x38.
Owner—City of Modesto, W. O. Thompson, City Clerk; Geo. H. Freitas, City Engineer.
Architects—Weiland, Mazurette & Weiland, Modesto.

Plans Being Prepared.
BUSINESS BLDG. Cost, $60,000
TAFT, Kern Co., Cal.
Two-story brick business building, 75 x125.
Owner—Sam Orloff.
Architect—Thos. Wiseman, Bakersfield.

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Segregated Figures Being Taken.
BANK, STORE, ETC. Cost, $40,000
CAMPBELL, Santa Clara Co., Cal.
One-story reinforced concrete bank, store and motion picture theatre (3 stores).
Owner—Growers National Bank.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.

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Plans Being Prepared.
BANK & OFFICE BLDG. Cost, $——
SANTA ANA, Orange Co., Cal.
Six-story and basement Class "A" bank and office building, 100x75.
Owner—First National Bank of Santa Ana.
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

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Grading Contract Awarded.
BANK BLDG. Cost, $300,000 or more
SAN FRANCISCO. W Montgomery St. bet. Pine and Sutter, adj. First National Bank Bldg.
Two and three-story and basement Class "A" bank and office building.
Owner—First Federal Trust Co. and First National Bank.
Architect—C. E. Gottschalk, Phelan Bldgs, San Francisco.

**Grading awarded** to J. P. Holland, 550 Third St., for $5790.

NOTE:—The contract was previously awarded to J. E. Scully on a percentage basis. It has not been decided whether figures will be taken for a general contract or segregated contracts.

The steel contract has been awarded to the Central Iron Works on a tonnage basis.

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Plans Being Prepared — Contract Awarded.
WHOLESALE BLDG. Cost, $135,000
LOS ANGELES. 1108 South Los Angeles Street.
Four-story Class "A" reinforced concrete wholesale building, 80x140.
Owner—Sun Drug Co.
Architect and contractor—Frank Meline, 6777 Holywood Blvd., L. A.

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Contracts Awarded.
OFFICE Cost, $8,000
SAN FRANCISCO. N Mission 77-6 E Third Street.
One-story Class "C" transfer office.
Owner—Skelly Estate Co.
Architect—Matthew O'Brien, 68 Post Street., San Francisco.
**General Contract** to Thos. Mulcahy, 180 Jessie St., San Francisco.
**Electric Work** to Decker Electric Co.
**Plumbing** to O. Kurtz.

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Ready for Figures Monday.
AUTO ELECTRIC EQUIPMENT SALES BLDG. Cost, $70,000
SAN FRANCISCO. SW Sutter and Larkin Streets.
Two-story and basement reinforced concrete auto electric equipment sales building, 70x120.
Owner—Wm. F. Dunn.
Architect—S. Heiman, 57 Post St., San Francisco.

Working Drawings Being Prepared.
STORE & AUDITORIUM Cost, $30,000
MODESTO, Stanislaus Co., Cal.
One and two-story Class "C" store and auditorium building.
Owner—Withheld.
Architects—Fabre & Thayer, 110 Sutter St., San Francisco.

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Completing Plans.
STORE & OFFICE BLDG Cost, $——
LOS ANGELES, Cal. NE Eleventh and Broadway.
Ten-story and basement Class "A" reinforced concrete store and office building.
Owner—Los Angeles Railway Co.
Architect—C. E. Noerenberg, 762 Pacific Electric Bldg., Los Angeles.

## THEATRES.

Contract Awarded.
THEATRE, ETC. Cost, $75,000
GLENDALE, Los Angeles Co., Cal. Brand Boulevard.
Brick theatre and store building, 75x 180 (1400 seats and 2 stores).
Owner—W. C. Goodno.
Architect—Alfred F. Priest, 619 Fay Bldg., Los Angeles.
Contractor—Chas. W. Kent & Son, 131 S-Brand Blvd., Glendale.

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Foundation Contract Awarded. Figures Being Taken for Other Work.
THEATRE Cost, $125,000
RICHMOND, Contra Costa Co., Cal. Macdonald Avenue.
One-story and balcony Class "A" theatre and (2) stores.
Owner—Turner & Dahnken, San Francisco.
Architect—A. W. Cornelius, Merchants National Bk. Bldg., San Francisco.

Carl Overaa, 1808 Roosevelt St., Richmond has been awarded the contract for the concrete foundation and basement.

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Plans Being Prepared.
THEATRE, STORE & OFFICE BLDG. Cost, $——
PHOENIX, Arizona.
Reinforced concrete and brick theatre, store and office building, 56x125, (1000 seats).
Owner—Richards & Nace.
Architects—Wm. Curlett & Son, 518 Merchants National Bank Bldg., Los Angeles.

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Plans Being Prepared.
THEATRE, STORE & OFFICE BLDG. Cost, $——.
PRESCOTT, Arizona.
Reinforced concrete theatre, store and office building (1000 seats).
Owner—Richards & Nace.
Architects—Wm. Curlett & Son, 518 Merchants National Bank Bldg., Los Angeles.

# ENGINEERING

## BRIDGES, DAMS AND HARBOR WORK.

RENO, Nevada.—The Reno City Council has decided to locate the bridge connecting Wingfield Park with the north bank of Truckee River at Chestnut street. The structure will be 152 feet in length, 40 feet wide, and will cost about $30,000.

SANTA ROSA, Sonoma Co., Cal.—The County Highway Engineer has been instructed by the Supervisors, W. W. Felt Jr., County Clerk, to prepare plans for bridges, culverts, retaining walls and other structures with the exception of large river bridges which will be necessary in carrying out the proposed highway system under the bond issue of last May.

SANTA MONICA, Los Angeles Co., Cal.—The City Commission has decided to reconstruct the municipal pier by force account, employing W. G. Murdock as Superintendent. Engineers Leeds & Barnard, Central Bldg., Los Angeles, will have full charge of the reconstruction. The present reinforced concrete piles in the pier, which have been condemned, will be replaced with creosoted wood pile and timber substructure to support the reinforced concrete deck. Bonds to amount of $75,000 have been voted and sold.

RENO, Nevada—New bids will be received by the Washoe County Commissioners, E. H. Beemer, County Clerk, Reno, up to April 5, 1920, for the construction of a reinforced concrete arch bridge across the Truckee River at the westerly end of Riverside avenue and part of Washoe County.

All bids received on March 10th were rejected.

The work for which bids are invited will consist of the removal of the existing wooden bridge, the removal of the existing stone masonry, and the construction of a new bridge of reinforced concrete.

The new bridge will be about 34 feet wide and about 170 feet long. It will consist of one arch span which will be 120 feet, and the necessary approaches.

Plans were prepared by C. R. Hill, Consulting Engineer, Reno, Nevada.

EUREKA, Humboldt Co., Cal.—The Mercer-Fraser Co., of Eureka, at $6,915 was awarded a contract by the County Supervisors for the construction of a reinforced concrete bridge over Jacoby Creek between Eureka and Arcata. Bids were also submitted by Padgett & Kelly, Elsemore & Jacobs and Thos. Englehart, all of Eureka.

Fred M. Kay is County Clerk.

EUREKA, Humboldt Co., Cal.—The County Supervisors, Fred M. Kay, County Clerk, have awarded a contract to Padgett & Kelly, Eureka, at $50,995, for the construction of reinforced concrete approaches to the Fern bridge over the Eel River, according to plans prepared by County Engineer A. J. Logan and Engineer H. J. Brunnier of San Francisco. Bids were also submitted by the Mercer-Fraser Company and Thos. Englehart, both of Eureka.

SAN BERNARDINO, San Bernardino Co., Cal.—Until 11 A. M., March 29, bids will be received by the Board of Supervisors for taking down an 150-ft. Pratt truss combination bridge on San Bernardino avenue, a mile west of Cucamonga and re-erecting it on new rubble masonry abutments to be constructed one-half mile west of Forest Home in Mill Creek canyon. Certified check or bid bond for 10% required. Harry L. Allison, Clerk.

MERCED, Merced Co., Cal.—At the last session of the County Supervisors the contract for the construction of bridge No. 64B, known as the Milliken bridge, was transferred to the Hartford Accident and Indemnity Company, bondsmen for Ernest Green, who defaulted on his contract to construct the bridge.

P. J. Thornton is County Clerk.

RED BLUFF, Tehama Co., Cal.—County Engineer Lunning has been instructed by the Supervisors, H. G. Kuhn, County Clerk, to prepare plans for a wooden bridge over Cold Ford of the Cottonwood Creek at the Pettijohn place.

San FRANCISCO—Engineer H. J. Brunner, Sharon Bldg., San Francisco, is preparing plans for two bridges to be erected in Humboldt County. One will be a reinforced concrete arch span, 150 feet long, over the Matole River at Mill Ford, and the other a steel cable suspension over the Matole River at Shields Ford.

The Board of Supervisors will call for bids the first part of May. Estimated cost, $45,000 and $40,000 respectively.

PRESCOTT, Ariz.—Until 7:30 p. m., April 6, bids will be received by City Clerk J. H. Robinson for constructing a reinforced concrete arch bridge or waterway over Granite Creek on Gurley St.; contractors will furnish their own plans and specifications.

## IRRIGATION PROJECTS

MARYSVILLE, Yuba Co., Cal.—According to statements made at a recent meeting of the Oroville Chamber of Commerce surveys and estimates of costs for the Honcut-Yuba Irrigation District will be completed within three weeks.

H. S. Munson is a member of the Board of Directors and H. W. Evans, tax collector and assessor of the district.

MARTINEZ, Contra Costa Co., Cal.—The Playground Commission has appropriated funds to finance a survey of the waterfront to determine the yardare of dirt necessary to reclaim city owned waterfront land and the approximate cost of making a fill.

C. Cortez is engineer for the Playground Commission.

MODESTO, Stanislaus Co., Cal.—At a joint meeting of the Modesto and Turlock Irrigation Districts, R. V. Meikle, engineer for the Turlock Irrigation District, was appointed chief engineer for the big Don Pedro project. Percy F. Jones, engineer for the Modesto District, was appointed assistant chief engineer.

It is expected that the Turlock board will immediately ratify the appointments, but it looks as if there would be a contest on the Modesto board.

MADERA, Madera Co., Cal.—Applications of W. A. Kramer and T. M. Theebo, Engineers of San Francisco, are being considered by the Directors of the Madera Irrigation District which plans a huge water project.

PLAINSBURG, Merced Co., Cal.—The Board of Directors of the Plainsburg Irrigation District have selected Olmsted & Gillelan Engineers, Hollingsworth Bldg., Los Angeles, to make engineering examinations looking to the development of the Plainsburg Irrigation District.

SAN FRANCISCO—Following is a list of applications filed with the State Water Commission during the month of February for permits to appropriate water (Number noted at end of each paragraph is Application Number and should be used when additional information is sought).

Oroville-Wyandotte Irrigation District, Oroville, 5000 cu. ft. per second from South Fork Feather River, in Plumas County, for irrigation of 20,000 acres. Amt. of water to be stored 300,000 ac. ft. Diversion to be by means of earth and rock dam 150' high, 600' long on top and 100' long at the bottom. 1651

Colbert Coldwell, Trustee, S. F., 11 cu. ft. per second from Trough of Colusa Basin and Sacramento River, for irrigation of rice on 430 acres. Water to be diverted by pumps. Estimated cost $425,000. 1655.

James H. Jones, Chico, 12 cu. ft. per second from Hamlin Slough, in Butte County, tributary Butte Cr., for agricultural purposes on 2768 acres. Water will be diverted by means of rock and timber dam 5' high, 40' long on top and 40' long at bottom, and by pumps. 1656.

Crooks Canyon Irrigation District, Alturas, 9177 ac. ft. per an. from South Fork Pit River, for irrigation of 4019 acres. Amt. of water to be stored 9617 ac. ft. Diversion works consist of main canals 5¼ miles long. Estimated cost, $77,830. 1657.

Sebia Davis, Sycamore, Colusa Co., for 160 cu. ft. per second from Sacramento River, in Colusa County, for agricultural purposes on 6400 acres. Diversion to be by means of pumping plant. 1659.

R. B. Moore, Maxwell, Colusa Co., 40 cu. ft. per second from Sacramento River, in Sutter County, for irrigation of 900 acres. Water to be diverted by means of pumping plant. Estimated cost, $15,000. 1660.

Alex T. and Francis W. Gibson, Chico, about 8 cu. ft. per second from Pine Cr. in Butte County, for agricultural purposes on 120 acres. 1661.

H. C. Markley, Yuba City, et al, 500 cu. ft. per second from Gold Lake & Long Lake, Plumas County, and Sierra County, for hydraulic and placer mining. App. 1662; App. 1663, 2500 cu. ft. per second from Gold Lake and Long Lake, Plumas and Sierra Counties, for agricultural purposes; App. 1664, 3000 cu. ft. per second from Gold Lake and Long Lake, for power purposes. (Ea. of the above app. is in incomplete form at present).

Recl. Dist. 999, Clarksburg, Cal., 250 cu. ft. per second from Elk Slough, Sutter Slough, Miner Slough and Sacramento River, in Yolo and Solano Counties, for irrigation of 25,000 acres. (App. allowed 60 days from February 13, 1920, to complete app.), 1666.

James G. Berryhill Jr., Modesto, 5 cu. ft. per second from Tuolumne River, Stanislaus Co., for agricultural purposes on 350 acres. Water to be diverted by means of distributing ditch 2 miles long and 2-6" cent. pumps. Estimated cost, $3000. (App. allowed 60

days from February 13, 1920, to complete app.). 1667.

H. C. Gingg and T. R. Cooper, Live Oak, Sutter Co., 10 cu. ft. per second from Snake Cr. and tributaries, in Sutter Co., for agricultural purposes on 320 ac. Diversion by pumps. (App. allowed 30 days from February 13, 1920, to file maps. 1668.

H. W. Fields, Waterford, Stanislaus Co., 15 cu. ft. per second, from Dry Cr., Stanislaus Co., tributary to Tuolumne River, for agricultural purposes on 75 acres. (App. allowed 60 days from February 24, 1920, to file maps). 1670.

E. W. McClellan, Reno, Nevada, 400,000 ac. ft. per an. from Kaweah and Tule Rivers, and tributaries, in Tulare Co., tributary to Tulare Basin, for irrigation of 300,000 ac. Water to be diverted through main ditch 60 miles long. Amt. of water to be stored 200,000 ac. ft. Estimated cost of proposed works, $8,000,000. 1671.

N. A. Baker, for proposed (Afton Irrigation District), Butte City, 60 cu. ft. per second from Sacramento River, Glenn Co., for agricultural purposes on 2000 ac. Diversion works: "Baker Lateral" 5¼ miles long, and a pumping plant. Estimated cost proposed works $20,000. 1672.

Arthur Deleray, Call Bldg., San Francisco, 3 cu. ft. per second from South Fork Feather River, Plumas Co., for mining purposes. Diversion works consists of covered pipe line 2640' long and a crib dam 26' high, 45' long on top and 8' long at bottom. Estimated cost $1200. 1673.

H. A. Minasian, Colusa, 3 cu. ft. per second from S. Channel of Stone Coral Cr., in Colusa Co., for agricultural purposes on 162.7 acres. 1674.

Lars S. Jorgensen, San Francisco, 350 cu. ft. per second from Middle Fork Feather River, in Plumas and Butte Counties, for power purposes. Amt. of power to be developed 79,540 T. H. P. Amt. of water to be stored 60,000 ac. ft. Diversion works consist of canal 26 miles long, and a concrete dam—with wasteway over dam—100' high, 200' long on top and 100' long at bottom. Estimated cost $6,000,000. (App. allowed 6 months from February 21, 1920, to file maps). 1676. Also same applicant for 450 cu. ft. per second from Middle Fork, Feather River, for power purposes. Amt. of power to be developed 58,800 T. H. P. Amt. of water to be stored 40,000 ac. ft. Diversion by canal 17 miles long and concrete arch dam, wasteway over dam, 120' high, 250' long on top and 100' long at bottom. Estimated cost $4,500,000. 1677.

South Yuba Mining and Development Co., San Francisco, 125 cu. ft. per second from S. Fork, Yuba River, Nevada County, for power purposes. Amt. of water to be stored 30,000 ac. ft. Amt. of power to be developed 2840 T. H. P. Diversion works consist of main ditch 6 miles long and masonry overflow dam already in place. Estimated cost proposed works $400,000. (App. allowed 6 months from Feb. 24, 1920, to complete). 1678.

Henry H. Wadsworth, San Francisco, 200 cu. ft. per second from Middle Fork Yuba River, Sierra and Nevada Counties, tributary to main Yuba River, for power purposes. Amt. of power to be developed 18,800 T. H. P. Amt. of water to be stored 5000 ac. ft. Diversion works: Main ditch 10 miles long and concrete dam with spillway over dam, 100' high, 400' long on top and 90' long at bottom. (App. allowed 6 mos. from Feb. 21, 1920, to file maps). 1679.

Henry H. Wadsworth, San Francisco, 700 cu. ft. per second from Yuba River, Yuba County, for power purposes. Amt. of water to be stored 20,000 ac. ft. Amt. of power to be developed 15,500 T. H. P. Diversion works: Concrete arch dam, with overflow over dam, 200' high, 600' long on top and 190' long at bottom. Est. cost $2,500,000. (App. allowed 6 most. from Feb. 21, 1920, to file maps.) 1680.

## MACHINERY.

INGLEWOOD, Los Angeles Co., Cal.—Until 8 p. m., March 22, bids will be received by City Clerk James H. Kew for one centrifugal pump and motor; 6 air life equipments, one 40 h. p. motor, and one 14x10 cylinder for Ingersoll-Rand compressor. Specifications may be seen at the office of the City Clerk and may be obtained from Olmsted & Gillelen, consulting engineers, 1113 Hollingsworth Bldg., Los Angeles. Certified check for 10% required.

## SEWERS, STREET WORK & WATER SYSTEMS

RED BLUFF, Tehama Co., Cal.—Preliminary steps for a modern water supply system for Red Bluff were taken when the Board of Trustees instructed City Engineer W. F. Lunning to prepare plans for the work on which to base estimates of cost before calling an election to vote bonds for construction.

E. F. Lennon is City Clerk.

TUCSON, Ariz.—Littlejohn, Singleton & Murphy of Tucson, were awarded the contract by the Pima County Highway Commission at $56,712 for constructing 14.5 miles of gravel surfaced road from the Papago Indian reservation to Twin Buttes to a connection with the Tucson-Nogales highway. S. Y. Faucett was awarded the contract at $69,774 for constructing 2½ miles of gravel surfaced road from the west end of the Ft. Lowell road to a connection with Tucson-Florence highway.

SANTA ROSA, Sonoma Co., Cal.—The bids of A. J. Fairbanks of Willits, for the construction of Sections A and B of the Petaluma-Valley Ford county highway and the Healdsburg-Napa County line road have been rejected by the County Supervisors and the work ordered done by day labor under the supervision of the County Engineer. W. W. Felt Jr., County Clerk.

SANTA ROSA, Sonoma Co., Cal.—W. A. Dontanville, Acampo, Cal., has been awarded a contract by the County Supervisors for the construction of five miles of concrete highway on the Petaluma-Sonoma stretch, Section A of the County highway system.

SONORA, Tuolumne Co., Cal.—A petition has been received by the Tuolumne County Supervisors asking the improvement of South Carter street in the town of Tuolumne, for a distance of 3 blocks. The matter was deferred until next meeting.

Ed. L. Gorgas is County Clerk.

YREKA, Siskiyou Co., Cal.—The Town Trustees, U. F. Brown, Clerk, have passed resolution of intention No. 4 providing for the construction of 6 inch salt-glazed, vitrified clay sewer pipe with necessary Y's, etc., in portions of Pine, North, Gold and Miner streets.

SANTA ROSA, Sonoma Co., Cal.—W. A. Bechtel, 631 Market St., the only bidder, has been awarded a contract by the County Supervisors for the construction of the Healdsburg-Forestville highway, Section B, of the county highway system. The bid was accepted on Item No. 1, at 95 cents per cubic yard for excavating.

W. W. Felt Jr., is County Clerk.

KING CITY, Monterey Co., Cal.—The application of Grant Smith Co., to pave gaps in Broadway, at 21 cents per foot, is being considered by the Board of Trustees. The company will do the work under private contract.

FRESNO, Fresno Co., Cal.—County Engineer Chris. P. Jensen is completing plans for the county highway unit north of Kingsburg to connect the Fowler-Reedley highway.

D. M. Barnwell is County Clerk.

SACRAMENTO, Cal.—The City Council, M. J. Desmond, Clerk, has passed resolution of intention No. 1477 providing for the improvement of Santa Barbara Court from the south line of J street to the north line of L street by constructing concrete cement curbs and gutters, sidewalks, placing 4 cast iron gutter drains with 6-inch vitrified ironstone sewer pipe elbows attached and connecting with 6-inch sewer; 1 concrete manhole with cast iron curb and cover; grading and constructing asphaltic-concrete pavement 6½ inches thick.

OAKLAND, Cal.—The City Council has awarded a contract to Bates & Borland, Oakland Bank of Savings Bldg., Oakland, for the improvement of Marion avenue from the northwest line of 38th avenue to the northwest curb line, produced, of Star avenue, by grading; constructing concrete curbs and gutters; cement sidewalks and paving with oil macadam; construction of vitrified pipe condult, 10 inches in diameter, and 2 brick manholes with cast iron tops. L. W. Cummings is City Clerk.

STOCKTON, San Joaquin Co., Cal.—Up to March 26th, 10 a. m., bids will be received by A. L. Banks, City Clerk, for the construction of storm water sewers in Lake Park.

Certified check of 10% payable to City Clerk must accompany each bid.

HEMET, Riverside Co., Cal.—Until 7:30 p. m., April 5, bids will be received by City Clerk C. M. Dietterich, for paving about two miles of city streets, including State, Harvard and Carmalita streets, and Kimball, Latham and Devonshire avenues. The work will be done under the Improvement Act of 1911. Concrete pavement 4 inches thick and 20 to 42 feet wide will be laid. There will be approximately 378,000 square feet of paving, and 2400 linear feet of cement curb. Frank W. Stetson, City Engineer.

TUCSON, Ariz.—Until 9 a. m., April 7, bids will be received by Pima County Highway Commission for constructing approximately 24 miles of gravel surfaced road extending from Tucson northwest along the Southern Pacific Railroad to the Pinal County line, involving 78,000 cu. yds. earth excavation and borrow, 47,821 cu. yds. gravel surfacing; 3700 cu. yds. excavation; 2460 cu. yds concrete; 60,800 lbs. steel (placing) and 1016 ft. pipe hand rail for bridges; alho 3200 bbls. cement f. o. b. Tucson, Jaynes or Rillito and 60,800 lbs. reinforcing steel f. o. b. Tucson, Jaynes or Rillito. Bids will be received separately on three classes of work, grading, surfacing and bridges and culverts, and for materials. Certifisd check for 10% required. E. G. Bush, Secretary.

HOLTVILLE, Imperial Co., Cal.—The City Trustees have adopted a resolution of intention to improve Palm avenue between Fifth and Fourth Sts. and a portion of Fern avenue by paving with 3-inch bituminous base and 1½-inch Warrenite surface; also Pine avenue between Fifth and a point 438 feet south by constructing cement sidewalks. Work will be done under Imp. Act of 1911.

SALINAS, Monterey Co., Cal.—A petition will be presented to the County Supervisors in the near future, asking the improvement of the Bitterwater road, the work to be financed by the counties of Monterey and San Benito through which it runs.

Howard F. Cozzens is Monterey County Engineer.

RICHMOND, Contra Costa Co., Cal.—City Engineer Chapman has been instructed by the City Council to confer with the Ellis Landing & Dock Company regarding the improvement of Tenth street which has been "in the air" for the past four years.

A. C. Faris is City Clerk.

WOODLAND, Yolo Co., Cal.—Bids for the construction of the Woodland-Knights Landing unit of the county highway system have been rejected by the County Supervisors, and a committee appointed to confer with Asa G. Proctor, County Highway Engineer, to decide whether or not the work shall be done under the day labor plan or the plans revised to provide for cheaper construction. Four bids were received for the work.

NAPA, Napa Co., Cal.—Galbriath & Janes, 156 S-14th St., Richmond, at $94,945 were awarded a contract by the County Supervisors for the construction of that portion of the County Highway from the north City limits of Napa to the Trubody Station (6 miles). Other bidders were:

Ramon J. Blanco, Vallejo, $102,404.60
F. Rolandi, San Francisco, $110,250.
Chas. J. Lindgren, Burlingame, $110,741.
P. L. Burr, San Francisco, $111,856.70

James L. Daley is County Clerk.

SELMA, Fresno Co., Cal.—The Southern Pacific Company have recorded a contract with Hugh Crummy, 333 Kearny street, San Francisco, for paving 26,600 square feet with 7 inch pavement in Selma at 35c per sq. ft.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, has passed a resolution of intention (No. 368) providing for the improvement of Wall street between the east line of 41st street, and the east boundary line of the city limits by grading and paving with 2 inches of screenings and 5 inches of cement concrete with a wearing surface of asphalt and broken rock; construction of cement concrete curbs, gutters and sidewalks, curb bars of galvanized steel, corrugated iron or steel and cement concrete culverts, vitrified sewer pipe, etc.

SACRAMENTO, Cal.—The City Council, M. J. Desmond, City Clerk, has passed a resolution of intention (No. 13478) providing for the improvement of the following streets:

Thirty-seventh avenue from the south line of "J" street to the north line of Folsom Boulevard, by constructing concrete curbs and gutters and sidewalks and placing 6 cast iron gutter drains and connecting same with 6-inch vitrified, ironstone sewer pipe; constructing 8-inch vitrified, ironstone pipe sewer connecting with manholes, 4 concrete manholes with cast iron curbs and covers, and paving with an asphaltic concrete pavement 5½ inches thick.

Improving the alley first south of "J" street west of 37th street, by constructing 8-inch vitrified, ironstone pipe sewer with one 6-inch vitrified, ironstone Y and one concrete manhole with cast iron curb and cover.

Improving the alley first south of Folsom Boulevard west of 37th street, by constructing 8-inch, vitrified, ironstone pipe sewer with one 6-inch Y branch.

Improving the alley between 36th and 37th streets, from the north line of Folsom Boulevard to the alley first north of Folsom Boulevard, by constructing 8-inch, vitrified, ironstone, pipe sewer with 17 6-inch, vitrified, ironstone Y branches and one concrete manhole with cast iron curb and cover.

Resolution of intentionNo. 1476 provides for the improvement of Donney Way from the west line of 24th street to the west line of Franklin Boulevard, by constructing concrete curbs and gutters, placing 9 cast iron gutter drains, connecting same with 6-inch, vitrified, ironstone sewer pipe, grading and constructing an asphaltic concrete pavement 5½ inches thick.

RED BLUFF, Tehama Co., Cal.—H. G. Kuhn, County Clerk, will receive bids up to April 5th, 10 a. m., for graveling the Tehama Road and Samson avenue in Supervisor District No. 5.

Certified check of 10% payable to Chairman of the Board of Supervisors required.

COLUSA, Colusa Co., Cal.—In response to a petition the County Supervisors have decided to hold an election early in May to decide the question of making Williams an incorporated city. Should the election be favorable toward the question steps will be taken for a bond election to secure funds with which to construct a water and sewer system, the estimated cost of which is $45,000.

T. D. Cain is County Clerk.

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

OROVILLE, Butte Co., Cal.—Bids will be received by J. W. Gibson, City Clerk, up to April 5th, 7:30 P. M., for the improvement of Robinson street from the west property line of Lincoln street to the east property line of the Marysville road, including crossings, by grading and paving with Warrenite-Bitulithic, 1½ inches thick on a 2½ inch asphaltic concrete base, including the construction of cement concrete curbs and gutters, manholes, etc.

Certified check of 10% payable to City of Oroville must accompany each bid.

LOS Banos, Merced Co., Cal.—Bonds of $95,000 have been voted to purchase the present water system from Miller & Lux and make improvements and extensions to same.

SAN DIEGO, Cal.—City Engineer Rhodes announces he is ready to proceed with the paving of Tide street, connecting the India street pavement with Rosecrans street, for which $85,000 bonds were voted. Plans for paving Rosecrans street from Lytton to the military reservation have been filed with Council.

MODESTO, Stanislaus Co., Cal.—Up to March 24th, 7:30 P. M., bids will be received by City Clerk W. O. Thompson for furnishing 6,000 feet (more or less) 4-inch standard cast iron pipe; 2,000 feet (more or less) 8-inch standard cast iron pipe; 3,000 feet (more or less) 6-inch standard cast iron pipe; standard cast iron pipe special and fittings, 6,918 lbs. lead for calking C. I. pipe.

Bids will be received for both Class "A" and Class "B" standard cast iron pipe as designated in the American Water Works Association. Pipe will be ordered in car load lots only. The pipe shall be coated both inside and outside with coal tar pitch varnish.

RENO, Nevada—The following bids were received by the Reno City Council at its last meeting for street improvements:

Bid No. 1—400,000 square feet of cement concrete pavement

Bid No. 2—635,000 square feet of cement concrete pavement.

Bid No. 3—115,000 square feet of sheet asphalt pavement.

Bid No. 4—235,000 square feet of Bitulithic pavement on a cement concrete base.

Bids No. 5—145,000 square feet of Bitulithic pavement on a rock macadam base.

Bid No. 6—90,000 square feet Bitulithic pavement on a concrete base.

**Clark & Henery Construction Co., Sacramento, Cal.**—Bid (2) 25c per sq. ft.; (4) 27½c per sq. ft.; (5) 20½c per sq. ft.

**Niedt & Gavin, Reno, Nevada,** (1) $1.62 per sq. ft.; (3) $3.24 per sq. ft.

**Pacific States Construction Co., San Francisco,** (1) $.935 per sq. ft.; (2) $.935 per sq. ft.

**Federal Construction Co., San Francisco** (1) $1.70 per sq. ft.; (2) $1.70 per sq. ft.; (4) $1.98 per sq. ft.; (5) $1.62 per sq. ft.; (6) $1.98 per sq. ft.

The contract was awarded to the Clark & Henery Constr. Co., Ochsner Bldg., Sacramento, for bitulithic pavement bringing the contract price up to $162,000.

Separate bids were received by the Council for the construction of sidewalks:

Bid No. 1—103,135 square feet cement concrete walks; 7,440 lineal feet cement concrete curb and gutter; 810 lineal feet cement concrete gutter.

Bid No. 2—31,540 square feet cement concrete walks; 13,121 lineal feet of cement concrete curb and gutter.

**Reno Concrete Factory, 508 Quincy St., Reno, Nev.,** Bid No. 1 $14,326.

**Duncan & Christensen, 841 N. Virginia St., Reno, Nevada,** (1) $15,081.35; (2) $9,701.87.

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NAPA, Napa Co., Cal.—A petition has been presented the County Supervisors asking the repair of the Soda Springs Road. The matter was referred to the County Engineer for report.

James Daly is County Clerk.

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SAN RAFAEL, Marin Co., Cal.—The County Supervisors, Rob E. Graham, Clerk, have adopted a resolution providing for the laying of concrete pavement and curbs, establishing grade and constructing sub-grade, drains, catchbasins, and culverts in the following thoroughfares: Willow, Live Oak and Laural avenues in Road Improvement District No. 6.

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NAPA, Napa Co., Cal.—Bids will be received by James Daly, County Clerk, up to March 29th, 1 P. M., for the construction of the county highway from St. Helena to Calistoga.

Plans may be had from the office of the County Clerk at Napa.

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COLFAX, Placer Co., Cal.—City Trustee James Martin has been instructed to meet with the State Highway Commission and make all necessary arrangements regarding grades and rights-of-way for the highway through this city.

RENO, Nevada—The City Council is considering the improvement of Center street from Fourth to the University. It is planned to lay a bitulithic pavement.

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SANTA ROSA, Sonoma Co., Cal.—Bids will be received by the County Supervisors, W. W. Felt Jr., County Clerk, up to March 26th, 12 M., for the construction of "Sonoma to State Highway" Highway, in First Supervisorial District (Specification No. 11).

ESTIMATED QUANTITIES.

Length of Highway 23,170.57 feet, or 4,388 miles.

Grading, Excavation....27,312 cu. yds.

Waterbound Macadam

Paving ..... 6,865 cu. yds.

Graveling ..... 6,865 cu. yds.

ESTIMATED COST:

Highway complete, macadam...$74,200

Highway complete, graveled... 51,900

Separate bids will be opened on the same date for the construction of Petaluma-Sonoma Highway, "Section B," in First Supervisorial District, (Specification No. 9.)

ESTIMATED QUANTITIES:

Length of Highway 19,530 feet, or 3.70 miles.

Grading, Excavation....32,720 cu. yds.

Waterbound Macadam Paving 5,788 cu. yds.

Graveling .....5,788 cu. yds.

ESTIMATED COST:

Highway complete, macadam...$78,700

Highway complete, graveled.... 60,200

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FRESNO, Fresno Co., Cal.—Two bids were received by the County Supervisors, Chris P. Jensen, County Highway Engineer, for the construction of the 7½ miles unit starting at Fowler, running south four miles, thence east 3½ miles to the Selma city limits.

Under specification No. 1, which calls for 1:3:6 concrete base with a Jensenite top, Hugh Crummey bid $1.70 per yard for grading, for concrete work $13.50, surfacing 11½ cents and $88 for culverts. Crummey's figures under specification No. 2, concrete with Warrenite top, were repeated with the exception of the surfacing on which an offer of 10.7 cents was made.

The Federal Construction Company's bid under the same specification was $1.79 per yard for grading, $14 for concrete, 10 cents for the surfacing and $79 for culvert work.

Crummey was the lone bidder under Specification No. 3, black base with a Topeka top, his proffer being the same as given above except the base which he offers to install for 29 cents a foot. Under the final specification, black base with a Warrenite surfacing, his base bid is 28 cents. The Federal Company's figures for this same item was 27.8 cents.

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SANTA CRUZ, Santa Cruz Co., Cal.—Marshall & Baker, 2967 Avalon Ave., Berkeley, at $197,851.99 submitted the lowest bid to the Santa Cruz Supervisors for the construction of 7.09 miles of county highway between Watsonville and Santa Cruz, approximately $28,000 per mile. Other bidders were:

P. L. Burr .....$216,277.74

Eaton & Smith ..... 199,106.00

The bids were taken under advisement. H. H. Miller is County Clerk.

MARTINEZ, Contra Costa Co., Cal.—R. R. Arnold, County Engineer, has completed plans and specifications for Division No. 28, of the county highway system, known as the Borden road, which connects with the San Joaquin County highway. The road will be four miles long of oil macadam pavement. The estimated cost is $27,000.

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CARSON CITY, Nevada—Bids for the construction of the first stretch of cement highway from Washoe summit to Carson will be called for about April 5th, according to State Highway Engineer C. C. Cottrell. The first stretch will be six miles long running from Washoe summit to Bowers. The work will consist of grading and concrete surfacing.

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MODESTO, Stanislaus Co., Cal.—Bids will be received up to April 6th, 7:30 P. M., by Kathleen G. Prewett, Secretary of the Modesto City Board of Education for the improvemenut of that portion of Fifth street lying northeast of the center line thereof between I and J streets.

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RICHMOND, Contra Costa Co., Cal.—L. L. Page, 728 Bissell Ave., Richmond, submitted the only bid to the City Council for the improvement of Alvarado, Arizona and Nevada avenues, at $7,215.77. The bid was taken under advisement.

A. C. Faris is City Clerk.

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MARTINEZ, Contra Costa Co., Cal.—James T. Sayles submitted the only bid to the City Trustees for the paving of the Smith street unit. The bid was $145,404. The contract for this work was previously awarded to Sayles, but, owing to a defect in the proceedings, the contract was cancelled and new bids called. On the first call Sayles submitted a bid of $134,957.

The bid has been taken under advisement.

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STOCKTON, San Joaquin Co., Cal.—Up to March 26th, 10:30 a. m., bids will be received by A. L. Banks, City Clerk, for the construction of a 72-inch concrete storm water sewer and wooden bulkhead across Miner Channel at El Dorado street. Certified check for 10% payable to City Clerk required.

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LODI, San Joaquin Co., Cal.—The Trustees have instructed City Engineer Barzellotti to prepare plans and specifications for paving Main street from Lodi avenue to Lockeford street. Between Elm and Walnut streets the pavement is 40 feet wide and on the balance 80 feet wide.

H. S. Clark is City Clerk.

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RICHMOND, Contra Costa Co., Cal.—The City Engineer, at the last meeting of the Council, A. C. Faris, City Clerk, submitted estimates of cost for widening and improving the Macdonald avenue subway. The matter was laid over for further consideration.

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RED BLUFF, Tehama Co., Cal.—The Los Molinas road matter was discussed at the last meeting of the County Supervisors. The County Board plans to call bids for the construction of the missing link north of Los Molinas to Red Bluff.

PETALUMA, Sonoma Co., Cal.—The City Council has awarded a contract to W. S. Wetenhall Co., 725 2nd St., San Francisco, for furnishing and delivering reinforcing steel to be used in the improvement of Main and Third streets, the bid being $4.98 per hundred pounds. Approximately 30,600 pounds are required.

Specifications were prepared by Howe & Peters, Engineers, 24 California St., San Francisco.

GLOBE, Ariz.—Julius Milton, County Engineer of Gila County, has started construction by force account on 30 miles of road between Roosevelt and Payson.

PETALUMA, Sonoma Co., Cal.—Plans for sewering Main and Third streets are being prepared by Engineers Howe & Peters, 24 California St., San Francisco, and will be presented to the City Council in the near future.

## RAILROADS

STOCKTON, San Joaquin Co., Cal.—The City Council, A. L. Banks, Clerk, has granted a permit to the Hobbs-Parsons Company, represented by A. F. Roberts, to lay a spur track in Weber avenue from the Southern Pacific tracks to the recently acquired location of the company's property. The permit was granted on recommendation of W. B. Hogan, City Engineer.

F. E. Ferrell & Co., were granted a permit by the Council to extend the present spur just north of Taylor street across California street to serve the warehouses and yards of the company in the block between California and Sutter streets.

PASADENA, Los Angeles Co., Cal.—The Board of Engineers appointed by the City estimates the cost of the proposed municipal electric railway between Pasadena and Los Angeles at $3,465,867, exclusive of right of way. The members of the Board are F. D. Howell, T. D. Allin and Wm. Mulholland.

SAN LEANDRO, Alameda Co., Cal.—In an endeavor to have the Southern Pacific Company extend its Melrose electric line system from Dutton avenue, across San Leandro Creek connecting with Santa Clara street, the City Trustees have named the following as a committee to confer with the railroad officials: City Trustees C. Q. Rideout and Farley B. Granger; City Attorney Harris P. Jones and G. E. Stiefvater.

# Official Proposals.

### BIDS WANTED FOR CONSTRUCTION OF HIGH SCHOOL.

### NOTICE TO BIDDERS.

THE BOARD OF TRUSTEES of the Lassen Union High School will receive sealed proposals **at or before 8 P. M., Wednesday, April 7, 1920,** at the Lassen Union High School at Susanville, California, at which time and place bids will be opened and read in public for furnishing the required labor and material for erecting and completing the proposed Gymnasium and Classroom Building, at Susanville, California, in accordance with plans and specifications prepared by John Galen Howard, Architect, and Ralph D. Tayler, Associate, First National Bank Building, San Francisco, California. Bids will be received separately for the following contracts:

1. GENERAL CONTRACT FOR BUILDING.
2. PLUMBING.
3. HEATING
4. ELECTRIC WIRING.

All bids must be accompanied by a certified check for 10% or more of the amount of proposal. In case this proposal is accepted, in whole or in part, and the bidder fails to execute a contract for the performance of said work, and a bond with sufficient sureties in 50% of the amount of the contract to secure the faithful performance thereof, within 15 days after such acceptance, then this certified check shall be retained by the Board of Trustees of the Lassen Union High School as liquidated damages for the failure to carry out this proposal. Such contract and bond shall be in such form and of such contents as shall be satisfactory to the Board of Trustees of said High School.

All bids to be made out on form furnished by Architect.

Plans and specifications may be obtained from John Galen Howard, Architect, First National Bank Building, San Francisco, or Ralph D. Taylor, Associate, Gay and Court Streets, Susanville, California.

A deposit of $10 will be required from all contractors receiving plans—said deposit to be refunded when plans and specifications are returned in good condition.

The Board of Trustees reserves the right to reject any or all bids and to waive any informality in any bid received.

By order of Board of Trustees Lassen Union High School, Susanville, California.

By JULIA A. NORWOOD,
Dated March 16, 1920.

### BIDS CALLED FOR EXTENSION TO BUILDINGS AT GUAM.

Drawings and Specification No. 4141 covering Extensions to Power Houses, Pump House, Blower House and Quarters, Naval Station, Guam, M. I.

Attention is invited to the fact that proposals will be opened on the work mentioned above in the near future.

The drawings and specification may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, Navy Yard, Mare Island, Calif., by placing a deposit of twenty dollars ($20.00) as security for their safe return within five days after the award of the contract.

The power house extension at Agana will have concrete foundations and floor, steel frame, exterior walls and roof of galvanized corrugated steel, steel sash and metal covered doors. The extension to the power house at the Radio Station will have concrete frame, concrete walls, composition roofing and steel sash. The quarters will have concrete frame, metal lath and cement mortar walls, composition roofing, wood sash and doors, wood floor and interior finish. The pump house and the blower house will be similar to the extension to the power house at the Radio Station.

The estimated cost is $50,000.00.

R. L. MARTIN,
Lieut. Commander, (CEC), USN.,
By direction of Public Works Officer.

### NOTICE TO CONTRACTORS.

THE BOARD OF TRUSTEES of the Fowler Union High School District, Fowler, Cal., will receive sealed proposals up until **2 o'clock P. M., March 30th, 1920,** at the High School building, Fowler, Cal., at which time and place said bids will be opened and read in public, for furnishing the required labor and materials for, and erecting and completing the proposed new high school buildings in accordance with plans and specifications prepared therefor by Allison & Allison, Architects, 1405 Hibernian Building, Los Angeles, Cal. Bids will be received separately for the different segregated contracts as follows:

CONTRACT No. 1—For the Excavating, Concrete, Masonry, Terra Cotta, Iron and Carpenter Work, etc. Bids Nos. 1 with alternate bids A, B, C and D. (See specifications.)

CONTRACT No. 2—For the Sheet Metal Work, etc. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 3—For the Tile Roofing, etc. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 4—For the Composition Roofing. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 5—For the Plastering. Bid No. 1 with alternate Bid C. (See specifications.)

CONTRACT No. 6—For the Blackboards. Bid No. 1. (See specifications.)

CONTRACT No. 7—For the Painting, etc. Bid No. 1 with alternate Bids C and E. (See specifications.)

CONTRACT No. 8—For the Electric Work, etc. Bid No. 1 with alternate Bid C. (See specifications).

CONTRACT No. 9—For the Plumbing, Gas Fiting, Sewering, etc. Bid No. 1 with alternate bid C. See specifications.)

CONTRACT No. 10—For the Program Clocks. Bid No. 1 with alternate bids C and F. (See specifications.)

CONTRACT No. 11—For the Hardware. Bid No. 1 with alternate bid C. (See specifications.)

CONTRACT No. 12—For the Heating and Ventilating. Bid No. 1 with alternate bid C. (See specifications.)

Cashier's or certified check or bidder's bond for an amount not less than five per cent (5%) of amount of bid shall accompany each proposal, drawn payable to the order of EDWIN GOWER, Clerk of the Board of Trustees, Fowler Union High School District, as a guarantee that the bidder will, within ten (10) days after being notified of the acceptance of his bid, enter into a contract with said High School Trustees in accordance therewith, and shall furnish the surety bonds as required by the specifications, said check or bond to be forfeited to the said High School District should the bidder fail to execute contract and furnish bond as above mentioned

All bids to be made out on forms furnished by the Architects.

Plans and specifications for all the above work may be seen at the office of MORROW & GARREN, Architects, Chronicle Building, San Francisco, Cal.

A deposit of $25.00 will be required from all contractors receiving plans, said deposit to be refunded when plans and specifications are returned in good condition.

The said High School Board reserves the right to reject any or all bids, and to waive any informality in any bid received.

By order of the Board of Trustees, Fowler Union High School District, Fowler, California.

By EDWIN GOWER, Clerk,
Board of Trustees, Fowler Union High School District, Fowler, Cal.
Dated, February 12, 1920.

### STATE OF CALIFORNIA.

### DEPARTMENT OF ENGINEERING.

### CALIFORNIA HIGHWAY COMMISSION

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 12,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Yolo County, between Woodland and Zamora (III-Yol-7-B), about 10.7 miles in length to be paved with Portland cement concrete.

Shasta County, between Southerly Boundary and Redding, (II-Sha-3-A), about 15.7 miles in length to be paved with Portland cement concrete.

Fresno County, between Oil King School and Huron Road, (VI-Fre-10-E), about twelve (12) miles in length to be paved with Portland cement concrete.

Santa Cruz and Santa Clara Counties.

between Glenwood and Los Gatos, (IV-S.Cr.-5-A & S.Cl.-5-B), about 13.6 miles in length, to be paved with Portland cement concrete.

Humboldt County, between Dyerville and Fortuna, (I-Hum-1-D.E & F), about 25.2 miles in length, to be paved with Portland cement concrete.

San Diego County, between Flinn Springs and Ogden Ranch (VII-S.D.-12-C & D), about 11.3 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary

Dated March 15, 1920.

## NOTICE TO CONTRACTORS.

Pursuant to an order of the Board of Education of the Fresno City High School District, duly passed and entered in its minutes of February sixteenth, Nineteen Hundred Twenty, notice is hereby given that said board will receive sealed proposals for the following branches of work:

1. Carpentry work.
1. (a) Alternate bid on No. 1 clear maple flooring where pine is specified.
2. Concrete and cement work.
3. Reinforced steel work.
4. Structural steel work and miscellaneous iron.
5. Ornamental iron work.
6. Brickwork.
7. Lathing.
8. Plastering.
9. Modelling.
10. Millwork.
11. Roofing (composition).
12. Roofing (tile).
13. Plumbing.
14. Heating and ventilating.
15. Electrical work.
16. Ceramic tile work.
17. Patent toilet partition work.
18. Patent sash hardware.
19. Time clocks.
20. Telephone.
21. Blackboards.
22. Sheet metal work.
23. Painting.
24. Patent folding partitions.

In connection with the following buildings, which comprise the Fresno City High School Group:

(a) Academic Building, including Auditorium and connecting arcades and Power house.
(b) Arts Building.
(c) Science Building.
(d) Gymnasium Building.
(e) Shops Building.
(f) Music Building.
(g) Agricultural Building.

Plans and specifications are on file with secretary of said board. Copies may be obtained at the office of R. F. Felchlin Company, 300 Bank of Italy Building, Fresno, Calif.

All bids must be in the hands of J. R. Fontaine, Secretary, Board of Education, Fresno City High School District, at his office in the High School Building, Fresno, California, before five (5) p. m. on April eighth, Nineteen Hundred Twenty.

A certified check equal to ten per cent of the total amount of bid submitted, must accompany the proposal.

No bids will be considered unless submitted on uniform proposal blank provided for that purpose.

The board reserves the right to award any branch of the work, either as a whole for all buildings of the group, or as a whole for as many buildings of the group as may be built, or for each building of the group, separately.

The board further reserves the right to reject any or all bids.

All bids must be sealed and name of bidder and branch of work must be marked on outside of envelope.

BOARD OF EDUCATION.
Fresno City High School District.
J. R. Fontaine, Secretary.

## NOTICE TO CONTRACTORS.

### SAN GABRIEL ROAD.

SEALED PROPOSALS for constructing or improving the San Gabriel National Forest Road Project, located within or partly within the Angeles National Forest, State of California, County of Los Angeles, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Building, San Francisco, California, **until 2 o'clock P. M., on the 5th day of April, 1920,** at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The length of the project to be constructed or improved is approximately 1.4 miles, and the principal items of work are approximately as follows:

Clearing and Grubbing, 69 stations.
Excavation (unclassified) 63,751 cu. yds.
Finishing earth road, 1.39 miles.
Concrete, 97 cu yds.
Reinforcing steel, 5,340 lbs.
Cement rubble masonry, 763 cu. yds.
Corrugated metal pipe, 314 lin. ft.

The work embraced in this contract shall be completed within 160 weather-working days. (Page 6, Specifications).

The contract form and the maps, plans, specifications and estimate of quantities may be examined by responsible contractors at the following addresses:

886 Mills Building, San Francisco, California.

After March 20, 1920, Forest Supervisor, 625 Federal Bldg., Los Angeles, California.

All proposals must be made on forms furnished by the District Engineer, Bureau of Public Roads, in accordance with instructions forming a part of the specifications above referred to.

C. H. SWEETSER,
District Engineer.

## NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned until **2 o'clock P. M., April 5, 1920,** for the construction of a State Highway from Washoe Summit to 0.65 miles south of Steamboat. Construction will consist of the preparation of subgrade and laying of concrete pavement.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned. May also be examined at the County Clerk's office in Reno. Cash deposit of $15.00 with undersigned required for copy of plans which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department and accompanied by certified check in the amount of 5% of the bid. Right is reserved to reject any or all bids.

Carson City, Nevada.

C. C. COTTRELL,
State Highway Engineer.

## BIDS WANTED FOR REMODELING BARRACKS.

YOUR attention is invited to the fact that proposals will be opened in the near future for drawings and specification No. 4147, covering remodeling Barracks Building No. 53, Marine Reservation, Navy Yard, Mare Island, California.

The drawings and specifications may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., or to the Commandant, Navy Yard, Mare Island, California, by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The building is about 500 feet long, including the two wings and 25 feet wide, with two wings about 44 feet deep and a kitchen extension about 35 feet wide and 54 feet long. The remodeling will consist of the general renovation of the building and will include re-arrangement of partitions; removal of certain walls and chimneys; replacing damaged stone work with concrete; new concrete floors in certain other rooms and repairs to others; new wood floors in certain other rooms; new plastering; repairs to roof; new steel stairs on veranda; new wood trim; screens for all exterior openings; new doors and windows, including frames and glass; painting of the building; new hardware; re-arrangement of and additions to the plumbing system; new electric lighting system and other incidental work.

The estimated cost is $35,000.00.

R. L. MARTIN,
Lieutenant Commander, C. E. C., U. S. Navy.

By direction of Public Works Officer.
(3740) 1st report March 9, 1920.

## NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 M., Tuesday, April 13, 1920,** said bids to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete furnishing and installing of Two Gearless Traction Passenger Elevators in the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefor, copies of which specifications may be obtained on application to the State Department of Engineering, Sacramento, California; full detailed plans of this building may be seen at the offices of Bliss and Faville, Architects, Balboa Building, San Francisco, California.

Said bids must be submitted on forms furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

(SIGNED) W. F. McCLURE.
State Engineer.

## NOTICE TO CONTRACTORS.

SEALED PROPOSALS for constructing the Somes Bar Bridge across the Salmon River in the Klamath National Forest, Siskiyou County, California, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Bldg., San Francisco, Cal., until **2:00 P. M. o'clock on the 29th day of March 1920,** at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The location is about ½ mile below Somes Bar and 8 miles above Orleans, on the Klamath River Road. It is about 77 miles from Trinidad, the terminus of the N. W. P. Ry.

The work consists of erecting a steel truss on concrete pier and abutment, with 70 ft. of timber trestle approach. The principal items are 1-160' steel truss; 77 cu. yds. Class A Concrete; 70 cu. yds. of Class B Concrete; 20 M. B. M. lumber.

A road was constructed last year from Orleans to a point ¾ mile from the bridge and a contract has been let for the section extending from this point to the Salmon River and on up the Klamath. Work has been started on this contract and instructions given the contractor to begin at this end so as to open the road up to the bridge site as soon as possible. This will open up the road to the bridge site

probably by May 1, 1920, and the road will be kept open during the construction season.

The work embraced in this contract shall be completed within 200 weather working days.

The contract form and the maps, plans, specifications, and estimates of quantities may be examined by responsible contractors at the following addresses

886 Mills Bldg., San Francisco, Cal.
Forest Supervisor, Orleans, Cal.

All proposals must be made on form, and in accordance with instructions, forming a part of the specifications above referred to.

C. H. SWEETSER,
District Engineer.

### DEPARTMENT OF HIGHWAYS.

### MATERIALS FOR STATE HIGHWAY CONSTRUCTION.

### NOTICE TO BIDDERS.

SEALED PROPOSALS will be received by undersigned **until 2:00 o'clock P. M., April 5, 1920,** for the furnishing of the following materials for State Highway construction:

70,000 barrels Portland Cement in cloth bags, f. o. b. cement mills.

Specifications may be obtained at office of undersigned.

Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.

Carson City, Nevada.
(33672) E

### BIDS WANTED FOR BARRACKS BUILDINGS

ATTENTION is invited to the fact that proposals will be opened in the near future for Drawing and Specification No. 4086, covering Barracks Building, Naval Ammunition Depot, Kuahua, Pearl Harbor, T. H.

The drawing and specification may be obtained on application to the Bureau in Washington, D. C., or to the Commandants Navy Yard, Mare Island, Calif., and Naval Station, Pearl Harbor, T. H., by placing a deposit of ten dollars ($10.00), as security for their safe return within five days after the award of the contract.

A frame building is to be constructed for use as barracks for 20 marines. The building will rest on concrete footings and will have drop siding on the exterior walls, sheathed interior partitions and ceilings, wood shingle roof screened porches and exterior openings, and plumbing and electric lighting systems. The barracks will be "U" shaped in plan and will have approximately 2700 square feet of floor area not including porches.

R. L. MARTIN,
Lieutenant Commander, C. E. C., U. S. Navy.
By direction of Public Works Officer.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS, indorsed "Proposals for Remodeling Barracks Building, Mare Island, California, specification No. 4147," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., **until two o'clock P. M., March 31, 1920,** and at the Public Works Office, Navy Yard, Mare Island, California, **until 11 o'clock A. M., of the same date,** and then and there publicly opened, for remodeling the two-story barracks building, No. 53, at the Marine Reservation, navy yard, Mare Island, California. The building is about 500 feet long, including the two wings and 26 feet wide, with two wings about 44 feet deep and a kitchen extension about 33 feet wide and 54 feet long. The remodeling will consist of the general renovation of the building and will include rearrangement of partitions; removal of certain walls and chimneys; replacing damaged stonework with concrete; new concrete floors in certain rooms and repairs to others; new wood floors in certain other rooms; new plastering; repairs to roof; new steel stairs on veranda; new wood trim; screens for all exterior openings; new doors and windows, including frames and glass; painting of the building; new hardware; rearrangement of, and additions to, the plumbing system; new electric lighting system, and other incidental work. Drawings and specification No. 4147 may be obtained on aplication to the bureau or to the commandant, navy yard, Mare Island, California. Deposit of a check or postal money order for $10.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of contract. C. W. PARKS, Chief of Bureau, February 20, 1920. (tf)

### BUILDING OPERATIONS FOR 1920 ARE ESTIMATED AT THREE BILLIONS.

The total value of building permits for January, 1920, is $117,747,298 for 193 cities, as against a total of $21,732,529 for the same cities in January, 1919, or a gain of over 440 per cent, according to "The American Contractor" of February 14th. Last year's January figures showed a 12 per cent falling off from the January activities of 1918, so that the gain of 440 per cent of this year is not as enormous as would at first appear. Yet the record is high, considering especially the obstacles which are to be faced this year, as well as in the beginning of 1919. "The American Contractor" says: "In spite of lack of investment money, adequate supply of labor, and a serious dearth of materials, there seems to be an early bucking into the problems of 1920, if official figures for permits and statistics for contracts awarded are any criterion."

January building operations as a rule out-distance 1919 averages, especially in the territory east of the Missouri and north of the Ohio river, in the New York district, and in the Northwest. New England falls somewhat behind the 1919 average and the Central West (comprising Illinois, Indiana, Iowa, Wisconsin, Michigan, etc.) shows a slight recession from the monthly average for 1919. Ordinarily the month of January shows but little activity in comparison with months later in the year, the amount of building contracts in that month running normally to only 5 or 6 per cent of the year's total. With so large a figure for January the estimate of $3,000,000,000 for the year's total of contracts seems likely to be fulfilled.

### A MILLION DOLLARS IN AMERICAN DRUGS.

The American Red Cross gave outright $1,000,000 to purchase drugs and other medical supplies for French soldiers, during the dark days of the war, when the French Red Cross found itself unable to provide for the 780,000 wounded men lying ill in the hospitals. This is only part of the assistance rendered the French women war workers by the American organization, according to Countess d'Haussonville, a prominent French woman.

On the occasion of the closing of the war time co-operative arrangement between the French and the American organizations the Countess declared that the work of the ten thousand French women who cared for France's three-quarters of a million wounded men would have been impossible save for American aid.

# HETCH HETCHY TUNNEL BIDS WANTED.

### Works Board Approves Specifications and Bids Ordered Received up to April 21, 1920. Street Work Contracts Awarded.

San Francisco, March 20, 1920.

April 21st is the date set by the Board of Public Works to consider bids for the construction of acqueduct tunnels in the Mountain Division of the Hetch Hetchy project, under Contract No. 77, specifications for the work having been completed by M. M. O'Shaughnessy, City Engineer.

The contract covers the portion of the acqueduct between Early Intake and Priest Portal, a distnace of 18.3 miles.

The tunnels already excavated by the city in this division aggregate about 2.5 miles. The balance of the tunnels is to be excavated by the contractor and all of the tunnels excavated by him, as well as those already excavated by the city, are to be lined with concrete by the contractor, except as provided under the alternative proposition, under which portions of the tunnels may be left unlined.

Provision is made in the specifications and proposal for a division of the work into two sections, if such division be found to be the best financial interests of the city. The divisions are as follows:

Contract 77-A—Covering the acqueduct between Early Intake and the south fork of the Tuolumne River, 4.5 miles.

Contract 77-B—Covering the acquednuct between the south fork of the Tuolumne River and Priest Portal, 13.8 miles.

Bonds for the work have been fixed as follows:

Contract No. 77, $800,000.
Contract No. 77-A, $200,000.
Contract No. 77-B, $600,000.

In accordance with the requirements of the City Charter, an additional bond in the sum of not less than one-half of the total amount payable by the terms of the contract is required.

The Board at its session yesterday awarded contracts for street improvements as follows:

G. E. McHugh, at $1,512.53 for the construction of sidewalks in Taraval street between 16th and 20th avenues.

Eaton & Smith, at $23,075.98, for the improvement of Quesada street between Railroad and Newhall.

State Improvement Co., at $8,655.50, for improvement of Ramsell street between Holloway and Garfield; also for improvement of Corbett avenue between Hattie and Ord at $1,816.96.

The bid of the State Improvement Company at $206 for the construction of 25 lineal feet of concrete curbing and 450 square feet of asphalt pavement was rejected by the Board.

REDDING, Shasta Co., Cal.—The election held to vote bonds of $93,000 to finance construction of a new grammar school building failed to carry.

Architect Geo. C. Sellon of Sacramento was selected to prepare the plans.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

## BUILDING CONTRACTS

### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 540 | Black | Owner | 900 |
| 690 | Johnson | Owner | 500 |
| 691 | Allred | Owner | 7000 |
| 692 | Cazneaux | Owner | 500 |
| 693 | Hamburger | Owner | 500 |
| 694 | Harvey | Crothers | 500 |
| 695 | Hind | Pasqualetti | 4707 |
| 696 | Fist Nat'l | Holland | 5790 |
| 697 | Skelly | Owner | 5000 |
| 698 | Western Pipe | Matthies | 3395 |
| 699 | Johnson | Owner | 3000 |
| 700 | Montenegro | Owner | 700 |
| 701 | Berkshire | Owner | 40000 |
| 702 | Home Ldy. | Fennell | 25184 |
| 703 | Same | Same | 10700 |
| 704 | Balfour | S. F. Comp. Air | 4420 |
| 705 | Balfour | Elec. Sup. | 5307 |
| 706 | Balfour | Amer Con Co | 4296 |
| 707 | Bohls | Steiger | 1600 |
| 708 | Anderson | Anderson | 2500 |
| 709 | Bertrand | Fulton | 500 |
| 710 | Broderick | Owner | 900 |
| 711 | Nelson | Nelson | 8000 |
| 712 | Pac. State Contr | Owner | 2000 |
| 713 | Jap. M. Msn | Cuthbertson | 500 |
| 714 | Bologna | Owner | 800 |
| 715 | Bartlett | Merritt | 6000 |
| 716 | Castagne | Bourdieu | 7140 |
| 717 | Moran | Smith | 2000 |
| 718 | Steiger | Pattinson | 500 |
| 719 | Olsen | Olsen | 20000 |
| 720 | Johnson | Johnson | 2800 |
| 721 | Gensler | Branch | 7000 |
| 722 | Brown | Owner | 10000 |
| 723 | Get | Watson | 769 |
| 724 | Labory | Watson | 1000 |
| 725 | Ham | Savage | 3000 |
| 726 | Ham | Savage | 6000 |
| 727 | McCormick | Smith | 1788 |
| 728 | Vignola | Smith | 1303 |
| 729 | Presb. Bk. Store | Leonhart | 500 |
| 730 | Romey | Steiger | .... |
| 731 | Bercovich | Home | 6690 |
| 732 | Western Pipe | Matthies | 3395 |
| 733 | Newman | Owner | 940 |
| 734 | Moehrle | Owner | 500 |
| 735 | Cohn | Glahn | 1944 |
| 736 | Cowell | Vogt | 35488 |

**PERMITS.**

(690) NO. 516 BERLIN. Add four rooms for dwelling.
Owner—C. L. Johnson, 516 Berlin, San Francisco.
Architect—None.
COST, $500

DWELLING
(691) NW MERCED 250 NE Kensington. Two-story and basement frame dwelling.
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.
Architect—None.
Day's work. COST, $7,000

ALTERATION
(692) SW POLK AND JACKSON. Changes on front for auto salesroom.
Owner—W. C. Cazneaux, 1316 Jackson, San Francisco.
COST, $500

ADDITION
(693) NO. 135 TWENTY-THIRD AVE. Add one room for pantry.
Owner—H. Hamburger, 135 23rd Ave., San Francisco.
Architect—None.
COST, $500

ADDITION
(694) NO. 1378 THIRD AVE. Add sleeping porch to dwelling.
Owner—W. K. Harvey, 1378 23rd Ave., San Francisco.
Architect—None.
Contractor—F. Crothers, 1426 10th Ave., San Francisco.
COST, $500

DWELLING
W NEWHALL 75 S McKinnon. One-story and basement frame dwelling.
Owner—A. J. Widman, 1701 McKinnon Ave., San Francisco.
Architect—None.
Contractor—L. H. Stevenson, 45 Worth St., San Francisco.
COST, $2670

NOTE: Recorded contract reported March 15, 1920, No. 688.

**RECORDED.**

FOUNDATIONS, ETC.
(695) COM. 306-2 S Islais and 690 E Third S 100xE 50. Reinforced concrete foundations, concrete sumps and concrete flooring for vegetable oil plant.
Owner—Hind Rolph & Co., 230 California St., San Francisco.
Engineer—C. A. Watts, 24 California St., San Francisco.
Contractor—Jos. Pasqualetti (as American Concrete Co.), Humboldt Bank Bldg., San Francisco.
Filed Mar. 15, '20. Dated Mar. 13, '20.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $4707
Bond, $4707. Surety, Maryland Casualty Co. Limit, 45 days. Forfeit, none. Plans and specifications filed.

GRADING, ETC.
(696) W MONTGOMERY 75 N Post W 160xN 100. Grading, excavating, bulkheading, shoring up, etc., for addition to building.
Owner—The First National Bank of San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—J. P. Holland, 550 Third St., San Francisco.
Filed Mar. 15, '20. Dated Mar. 15, '20.
Grading done .....$2500
On acceptence ..... 1840
Usual 35 days, 25%..... 1450
TOTAL COST, $5790
Bond, $2895. Surety, Fidelity & Deposit Co. of Maryland. Limit, 20 days. Forfeit, $50. Plans and specifications filed.

OFFICE
(697) N MISSION 77-6 E Third. One-story Class "C" transfer office.
Owner—Skelly Estate Co, 58 Post St., San Francisco.
Architect—Matthew O'Brien, 68 Post St., San Francisco.
COST, $5000

ALTERATIONS
(698) NO. 444 MARKET ST. Remove present and erect new partitions; other changes for offices.
Owner—Western Pipe & Steel Co., 444 Montgomery St., San Francisco.
Architect—J. R. Miller, 213 Lick Bldg., San Francisco.
Contractor—H. Matthies, 180 Jessie St., San Francisco.
COST, $3395

DWELLING
(699) W PLYMOUTH AVE. 275 N Grafton. One and one-half story and basement frame dwelling.
Owner—Nels P. Johnson, 223 Louisburg St., San Francisco.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
(700) NO. 93 THIRD ST. New store windows for store.
Owner—A. C. Montenegro, 1001 Winsor St., Oakland.
Architect—None.
Day's work. COST, $700

ALTERATIONS
(701) W JONES 122-6 S Sutter. Repairs and alterations to five-story and basement Class "C" apartment house.
Owner—Berkshire Apartment Co., Stanford Court Apts., S. F.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
COST, $40,000

ALTERATIONS
SE POLK AND SACRAMENTO. New store front; Klingstone floor.
Owner—S. Haber, 119 Montgomery St., San Francisco.
Architect—C. S. McNally, 23 Woodland Ave., San Francisco.
Contractor—J. J. Heaphy, 51 Trinity St., San Francisco.
COST, $2850

NOTE:—Recorded contract reported March 15, 1920, No. 689.

**RECORDED.**

BRICK BUILDING
(702) W HOFF 158 N 17th 67-6x88-4. Excavation, brick work, concrete and carpenter work for two-story brick building.
Owner—Home Laundry Co., 3338 17th St., San Francisco.
Architect—Theo. W. Lenzen, Humboldt Bank Bldg., San Francisco.
Contractor—Fennell & Persson, 180 Jessie St., San Francisco.
Filed Mar. 16, '20. Dated Mar. 15, '20.
Excavation completed and first story walls ready for 2nd floor joists .....$5500
Brick walls up, 2nd floor joists set and roof trusses set..... 6500
Completed and accepted..... 6888
36 days after..... 6296
TOTAL COST, $25,184
Bond, $12,600. Surety, Fidelity & Deposit Co., Limit, 60 days. Forfeit, none. Plans and specifications filed.

EXCAVATION, ETC.
(703) N SEVENTEENTH 172-6 E Valencia 25x110. Excavation, concrete, brick, carpenter work, etc., for part one-story and part two-story building.
Owner—Home Laundry Co., 3338 17th St., San Francisco.
Architect—Theo. W. Lenzen, Humboldt Bank Bldg., San Francisco.
Contractor—Fennell & Persson, 180 Jessie St., San Francisco.
Filed Mar. 16, '20. Dated Mar. 15, '20.
Excavation completed and brick walls ready for 2nd floor joists & roof joists of 1st story part.$2800
Enclosed and roofs completed.. 2500
Completed and accepted..... 2725
36 days after..... 2675
TOTAL COST, $10,700
Bond, $5350. Surety, Fidelity & Deposit Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

OFFICE BUILDING
(704) SE CALIFORNIA & SANSOME S 89xE 129-9¾. Vacuum cleaning system for 12-story Class "A" office building.
Owner—The Balfour Guthrie Investment Co. by P. J. Walker Co., Agt., Monadnock Bldg., San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—San Francisco Compressed Air Cleaning Co., 397 Sutter St., San Francisco.
Filed Mar. 16, '20. Dated Feb. 27, '20.
Piping system installed..... 50%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, $4420
Bond, $2210. Surety, The Fidelity & Casualty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(705) FURNISH & INSTALL OPERATING checking and interlocking devices on 4 passenger and 49 E S hangers on above.
Contractor—Elevator Supplies Co., Inc., 184 Fifth St., San Francisco.
Filed Mar. 16, '20. Dated Mar. 11, '20.
Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, $5307
Bond, $2654. Surety, The Fidelity & Casualty Co. of New York. Limit, as rapidly as possible. Forfeit, none. Plans and specifications filed.

CONCRETE FOUNDATION, ETC.
(706) COM. 306.2 S 18LAIS and 640 E Third S 100xE 50. Reinforced concrete foundations, retaining walls, pipe trenches, sumps and concrete yard flooring.
Owner—Balfour Guthrie & Co., 350 California St., San Francisco.
Engineer—C. A. Watts, 24 California St., San Francisco.
Contractor—James Pasqualetti (as American Concrete Co.), Humboldt Bank Bldg., San Francisco.
Filed Mar. 16, '20. Dated Mar. 16, '20.
On 5th of each month..... 25%
Usual 35 days..... 75%
TOTAL COST, $4296
Bond, $4296. Surety, Maryland Casualty Co. Limit, 45 days after notification to start work. Forfeit, none. Plans and specifications filed.

ALTER AND ADD
(707) NO. 1543 HAIGHT bet. Ashbury and Clayton. Alterations and additions of building into a market.
Owner—H. Bohls, 290 Fremont St., San Francisco.
Architect—None.
Contractor—H. Steiger, 331 27th St., San Francisco.
Filed March 16, '20. Dated March 15, '20.
Concrete wall finished and woodwork in front ready for plaster .....$400
Plaster on and tile set ..... 400
Plate glass installed ..... 400
Work finished ..... 400
TOTAL COST, $1600
Bond, Sureties, Forfeit, Limit, none. No plans or specifications filed.

**PERMITS.**

FRAME DWELLING
(708) W ANDERSON 25 N Tompkins. One and one-half-story and basement frame dwelling.
Owner—Axel Anderson, 478 Anderson St., San Francisco.
Architect—None.
Day's work. COST, $2500

ALTERATIONS
(709) NO. 602 FRONT ST. Alter store front.
Owner—Bertrand Seed Co., 600 Front St., San Francisco.
Architect—None.
Contractor—G. H. Fulton Co., 301 Front St., San Francisco. COST, $500

ALTERATIONS
(710) NO. 1041 LEAVENWORTH. Cut in entrance doors; add 3 baths and kitchens for apartments.
Owner—Broderick, Premises.
Architect—None.
Day's work. COST, $900

FRAME DWELLING
(711) E MIRAMAR 331 N Eastwood Drive. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Day's work. COST, $8000

ASPHALT PLANT
(712) SW PAULDING AND ARAGO Aves. Construct asphalt plant.
Owner—Pacific States Constr. Co., 306 Call Bldg., San Francisco.
Architect—None.
Day's work. COST, $2000

ADDITION
(713) NO. 1371 PINE ST. Add sleeping porch to dwelling.
Owner—Japanese Methodist Mission, 1359 Pine St., San Francisco.
Architect—None.
Contractor—Thos. A. Cuthbertson, 1766 12th Ave., San Francisco. COST, $500

UNDERPIN DWELLING
(714) NO. 2741 TAYLOR. Move store and dwellings; underpinning, concrete floor, etc.
Owner—U. Bologna, Premises.
Architect—Paul F. De Martini, 2123 Powell St., San Francisco.
Day's work. COST, $800

FRAME FLATS
(715) E TENTH AVE 150 S Geary. Two-story and basement frame (2) flats.
Owner—Florence C. Bartlett, 4002 Geary St., San Francisco.
Architect—Geo. M. Merritt, 3015 Geary St., San Francisco.
Contractor—Geo. M. Merritt, 3015 Geary St., San Francisco. COST, $6000

ALTERATIONS
NO. 1543 HAIGHT ST. Change store front and construct retaining wall in rear.
Owner—H. Bohls, 1738 Fell St., San Francisco.
Architect—None.
Contractor—H. Steiger, 1564 Haight St., San Francisco. COST, $1600
NOTE:—Recorded contract reported March 17, 1920, No. 707.

FRAME BUILDING
(716) N EIGHTEENTH 125 E Mission E 24xN 92. All work for a two-story frame building (store and flat).
Owner—Jos Castagne, 3146 18th St., San Francisco.
Architect—Gustave Stahlberg, Flatiron Bldg., San Francisco.
Contractor—Bourdieu & Lauchere, 807 Potrero Ave., San Francisco.
Filed March 17, '20. Dated March 9, '20.
2nd story joists in place .....$1428
Brown coated ..... 1428
Sash and millwork set ..... 1428
Completed and accepted ..... 1428
Usual 35 days ..... 1428
TOTAL COST, $7140
Bond, $3570. Sureties, J. Collins and M. Mazeris. Forfeit, none. Limit, 90 days. Plans and specifications filed.
NOTE: Permit reported March 11, 1920, No. 639.

FRAME DWELLING
(717) SW AVALON AND MADRID. One-story and basement frame dwlg.
Owner—William Moran, 402 Avalon St, San Francisco.
Architect—Grant E. Smith, 2697 Mission St., San Francisco.
Contractor—Grant E. Smith, 2697 Mission St., San Francisco. COST, $2000

ADDITION
(718) SE EIGHTEENTH AND FOLSOM One-story addition to foundry.
Owner—Steiger & Kerr, 2201 Folsom St., San Francisco.
Architect—None.
Contractor—J. Pattinson, 925 The Alameda, Berkeley. COST, $500

DWELLINGS
(719) W FAXON AVE 122, 158, 195 & 227 S Wildwood. Four one-story and basement frame dwellings.
Owner—Amanda A. Olsen, 68 Santa Ynez Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—O. Olsen, 68 Santa Ynez Ave., San Francisco. COST, $5000 each

FRAME DWELLING
(720) NE HOWTH AND MT. VERNON One-story and basement frame dwelling.
Owner—Louis Johnson, 2260 19th Ave., San Francisco.
Architect—None.
Day's work. COST, $2800

**PERMITS.**

CLASS "C" BUILDING
(721) SW HOWARD AND CAROLINE 41.4 on Howard by 100 on Caroline. All work for one-story Class "B" building.
Owner—J. Gensler.
Architect—None.
Contractor—Branch & Coffer, Mills Bldg., San Francisco.
Filed Mar. 18, '20. Dated Mar. —, '20.
Payments as work progresses..
TOTAL COST not to exceed $7000; contractor to receive $300.
Bond, $3500. Surety, American Indemnity Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today

**PERMITS.**

FLAT
(722) SW ALABAMA AND ARMY. Two-story and basement frame (4) flats.
Owner—Ward C. Brown, 2945 Harrison St., San Francisco.
Architect—None. COST, $10,000

ALTERATION
(723) NO. 614 BROADWAY. Change restaurant front; cement floor; erect T. & G. partitions, etc.
Owner—Lew Get, Premises.
Architect—None.
Contractor—Daniel Watson, 39 St. Anne St., San Francisco. COST, $769

ALTERATION
(724) NO. 1656 CALIFORNIA. Remove wood floor and replace with tile.
Owner—F. Labory, Premises.
Architect—None.
Contractor—Daniel Watson, 39 St. Anne St., San Francisco. COST, $1000

DWELLING
(725) SW GEARY AND 35th Ave. One-story and basement frame dwelling.
Owner—C. E. Ham, 1053 Bush St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—W. A. Savage, 346 23rd Ave., San Francisco. COST, $3,000

DWELLING
(726) W THIRTY-FIFTH AVE, 31 & 65-6 S Geary. Two one-story and basement frame dwellings.
Owner—C. E. Ham, 1053 Bush St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—W. A. Savage, 346 23rd Ave., San Francisco. COST, $3,000 each

MOVE AND ALTER
(727) NO. 66 AND 70 SHORT ST. Move two dwellings; construct concrete foundations, etc.
Owner—Genevieve F. McCormick, Premises.
Architect—L. M. Gardner, 942 Pine St., San Francisco.
Contractor—H. W. Smith, 632 Falcon Ave., San Francisco. COST, $1788

ALTERATIONS
(728) NO. 76 SHORT. Raise dwelling 9' 7"; build new basement and foundation walls.
Owner—Frank Vignola, Premises.
Architect—L. M. Gardner, 942 Pine St., San Francisco.
Contractor—H. W. Smith, 632 Falcon Ave., San Francisco. COST, $1303

ALTERATIONS
(729) NO. 278 POST ST. Construct walls, install doors and move and reset shelving.
Lessee—Presbyterian Book Store, 278 Post St., San Francisco.
Architect—None.
Contractor—B. Leonhart, San Anselmo, Cal. COST, $500

MARKING ROOM
N SEVENTEENTH 172-6 E Valencia. Part one and two-story brick marking room for laundry.
Owner—Home Laundry Co., 3338 17th St., San Francisco.
Architect—Theo. W. Lenzen, Humboldt Bank Bldg., San Francisco.
Contractor—Fennell & Persson, Balboa Bldg., San Francisco. COST, $10,000
NOTE:—Recorded contract reported March 17, 1920, No. 703

W HOFF AVE 158 N 17th. Two-story brick Class "C" washing and ironing department for laundry.
Owner—Home Laundry Co., 3338 17th St., San Francisco.
Architect—Theo. W. Lenzen, Humboldt Bank Bldg., San Francisco.
Contractor—Fennell & Persson, Balboa Bldg., San Francisco. COST, $25,000
NOTE:—Recorded contract reported March 17, 1920, No. 702.

**RECORDED.**

FIXTURES, ETC.
(730) NO. 1543 HAIGHT. Fixtures counters, stalls, floors and walls for interior of market building.
Owner—A. J. Romey, 1543 Haight St., San Francisco.
Plans by Owner.
Contractor—H. Steiger, 331 27th St.,

Filed Mar. 19, '20. Dated Mar. 16, '20.
As work progresses..... 75%
As work progresses..... Balance
TOTAL COST, Contractor to receive cost plus 10%.
Bond, limit, forfeit, none. Plans and specifications, none.

ALTERATIONS
(731) NW TWENTIETH & MISSION 12 feet on Mission and 60 feet on 20th. All work for alterations for store.
Owner—H. Bercovich Cigar Co., 501 Montgomery St., San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—Home Mfg. Co., 543 Brannan St., San Francisco.
Filed Mar. 19, '20. Dated Mar. 17, '20.
On completion ..... 75%
Usual 35 days..... 25%
TOTAL COST. $6600
Bond, none. Limit, April 29, 1920. Forfeit, none. Plans and specifications filed

ALTERATIONS
(732) NO. 444 MARKET ST. All work except painting, electric fixtures and shades for alterations and additions to store building.
Owner—Western Pipe & Steel Co., 444 Montgomery St., San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—H. Matthies, 180 Jessie St., San Francisco.
Filed Mar. 19, '20. Dated Mar. 17, '20.
Partitions removed and mill work delivered .....$1273.00
Completed and accepted..... 1273.23
Usual 35 days..... $48.75
TOTAL COST. $3395.00
Bond, $1697.50. Sureties, James S. Fennell and D. J. Sullivan. Limit, as fas as required. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported March 17, 1920, No. 698.

**PERMITS**

ALTERATIONS
(733) NO. 704 ASHBURY. Alter basement for garage; cement floor, etc.
Owner—M. Newman, Premises.
Architect—None.
Day's work. COST, $940

ALTERATIONS
(734) NO. 731 CLEMENT ST. Alter store front.
Owner—C. E. Moehrle, 733 Clement St., San Francisco
Architect—None.
Day's work. COST, $500

RESIDENCES
W FORTIETH AVE 30 and 55 N Geary and NW Corner. Three two-story & basement frame residences.
Owner—Geo. A. Bertram, 2628 Anza St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 2628 Anza St., San Francisco.
COST, $6000 each
NOTE:—Recorded contract reported March 11, 1920, No. 654.

DWELLING
NE MIRAMAR AVE. AND EASTWOOD Drive. One-story and basement frame dwelling.
Owner—H. R. Lipman, 1360 Washington St., San Francisco.
Architect—Chas. F. Strathoff, 2275 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
COST, $12,500
NOTE:—Recorded contract reported March 8, 1920, No. 600.

**RECORDED.**

ALTERATIONS
(735) NO. 691 MARKET. All work for alterations to store front.
Owner—M. Cohn, 110 Sutter St., San Francisco.
Architect—Fabre & Thayer, 110 Sutter St., San Francisco.
Contractor—Hother Glahn, 180 Jessie St., San Francisco.
Filed Mar. 20, '20. Dated Mar. 19, '20.
Work 65% completed.....$ 850
Completed and accepted..... 1094
TOTAL COST, $1944
Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today

CLASS "C" BLDG.
(736) N CLAY 89-1 W Sansome W 44-3 N 122 E 25-4 S 31-2 E 18-11 S 90-10. All work except elevator for two-story and basement Class "C" building.
Owner—Isabella M. Cowell, 2 Market St., San Francisco.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.
Filed Mar. 20, '20. Dated Mar. 19, '20.
On 1st of each month..... 75%
36 days after..... 25%
TOTAL COST, $35,488
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

## LEASE.

**San Francisco County.**

March 19, 1920—NW HOWARD 175 NE 2nd NE 75xNW 100. Annie M. Janssen to General Paper Co. March 1, 1920 to Feb. 1, 1930; $56,785.
March 19, 1920—N POST 80 E Stockton E 20xN 70. Walter H. Sullivan to Albert E. Coburn and Sidney Schenkel; 10 years; $950 per month.
March 19, 1920—W THIRD, 82 3rd St. C Frederick Kohl to Leon Jacobs; 3 years, $10,800.
March 19, 1920—S SUTTER bet. Leavenworth and Hyde, 975 Sutter. Daniel Rosenblum to Leon Jacobs; 1 year; $900.
March 19, 1920—NW THIRD and Townsend N 33xW 57-6. Nellie L. and Daniel Williamson to W. R. and R. F. Dreisbach; 5 years; $27,000.
Mar. 18, 1920—E MISSION 155 S 20th S 60xE 122-6. Blanchard Brown Co. to Henry J. Behlmer, Jr., and Jack C. Rapp. 5 years. $15,200.
March 18, 1920—N ELLIS 136-6 E Van Ness Ave. Grace Perego to Paul Hackley, Arnot D. Murphy and H. B. Grandee; 5 years; $200 per month.
March 16, 1920—N FULTON bet. Scott and Divisadero No. 1268 Fulton St. William V. and Carrie Mac Nevin to H. S. Adelstein; 2 years, $1200.
Mar. 16, 1920—SE O'FARRELL AND Larkin; No. 799 O'Farrell and 754 Larkin. Ella H Day to Milton K Lepetich. 7 years. $5,365.
Mar. 15, 1920—E ½ SECOND FLOOR No. 2211 Broderick St., Apa. 4 and garage. E R Young and M M Roney to Sidney G. Herzog, 1 year, $960.
Mar. 17, 1920—SW O'FARRELL AND Carlos Place. Levy Real Estate Co to Nick Doulos. 3 years. $3120.
Mar. 17, 1920—NO. 134 BARTLETT ST. Coloman Race to Chas Perry. 3 years. $20 per month.
Mar. 17, 1920—COR. SACRAMENTO & Embarcaderro. H Bercovich Cigar Co to G Rogers, A Coribelli, P Caparelli and L Arielto. 5 years. $225 per month.

## NOTICE OF NON-RESPONSIBILITY.

**San Francisco County.**

Mar. 17, 1920—NO. 1543 HAIGHT ST. Henry Bohls as to improvements on leased property.....
Mar. 15, 1920——N TURK 105 W Mason W 32-6xN 137-6. Emily C McEnery as to improvements on leased property .....
March 20, 1920—W MISSION 80 S 22nd. Charles P. Gibbons as to improvements on leased property.

## COMPLETION NOTICES

**San Francisco County**

Mar. 10, 1920—NE POST AND HYDE N 137-6xE 77-6. Gerard Investment Co to whom it may concern.....
.....Mar. 10, 1920
Mar. 10, 1920—PTN LOTS 8 AND 9 Blk 3163, Westwood Park. John J Kingwell to Kingwell Bros.....
.....Mar. 4, 1920
Mar. 10, 1920—PTN LOTS 6 AND 7 Blk 3163, Westwood Park. John J Kingwell to Kingwell Bros.....
.....Mar. 4, 1920
Mar. 10, 1920—E ½ BLK BOUNDED by Powell, North Point, Stockton and Bay. Simmon Co to Frank B Peake.....Mar. 9, 1920
Mar. 10, 1920—SW CLEMENT AND 24th Ave W 32-6xS 100. Peter W Butt to Oliver Capell and Henry C Rogers.....Feb. 26, 1920
Mar. 10, 1920—N FULTON 192-6 W Laguna W 55xN 120. National Dairy Co to Jean Salanave.....
.....Mar. 10, 1920
Mar. 11, 1920—LOT 3 BLK 'N" Mission Terrace. Mission Terrace Co to H C Lewis.....Mar. 10, 1920
Mar. 11, 1920—S NIAGARA 389.58; 423.58; 457.58; 491.68 W Mission W 34xS 80. James J Donnelly to Henry Ahnefeld .....Nov. 15, 1919
Mar. 12, 1920—N BUSH 137-6 W Taylor W 82-6xN 137-6. Pauline Schoenberg to Barett & Hilp.....
.....Mar. 10, 1920
Mar. 13, 1920—SW SIXTEENTH AVE and Anza S 25xW 97-10. Johnson & Johnson to whom it may concern .....Mar. 13, 1920
March 15, 1920—E THIRTY-THIRD Ave. 200 N Ulloa N 50xE 120. Parkside Realty Co. to H. C. Keenan..
.....March 15, 1920
March 15, 1920.—NW FELL AND Franklin N 120xW 137-6. De Laveaga Estate Co to A D Collman..
.....March 15, 1920
March 15, 1920—E SPRUCE 35 S Clay S 25xE 120. Henry Hamburger to Schultz Const. Co....March 10, 1920
March 15, 1920—N CALIFORNIA 137-6 E Hyde E 100xN 137-6. John J. and Richard Kingston, Norman W. Potter, as the Dock Motor Company, to Joseph Pasqualetti, as American Concrete Company.....
.....March 11, 1920
Mar. 15, 1920—NO. 51 GEARY AND 732 Market. The Bankers Investment Co to J S Malloch...Mar. 5, 1920
Mar. 16, 1920—SE HARRISON 75 SW Langton. James Madison to Alfred H Vogt.....Mar. 16, 1920
Mar. 16, 1920—SE HOWARD 45-10 NE Main. Paynes Bolt Works to Alfred H Vogt.....Mar. 16, 1920
Mar. 17, 1920—NO. 3654 SACRAMENto. L Loustau to A Loustau.....
.....Mar. 1, 1920
Mar. 17, 1920—S GEARY 82-6 E 12th Ave E 25xS 100. Jacob Weissbein to Theodore G and Rollin E Meyer.
.....Mar. 16, 1920
March 18, 1920—NO. 51 GEARY ST. and No. 722 Market St. Western Union Telegraph Co. to J. S. Malloch .....March, 8, 1920
Mar. 18, 1920—NE TWENTY-THIRD and Treat Ave. J H Kruse to Ludwig & Masow.....Mar. 17, 1920
March 19, 1920—NO. 695 MARKET ST. J. T Pechner to Braas & Kuhn..
.....March 15, 1920
March 19, 1920—NW LAUREL and Washington W 82-6xN 100. C. J. Hillard to Conlin & Roberts.....
.....March 9, 1920
March 19, 1920—NE FIFTEENTH Ave. and Anza, 35x72-6. Blanche Siebrecht to Alton R. Lapham....
.....March 17, 1920
March 19, 1920—SE MARKET and 6th S 90xE 53. Western States Life Ins. Co. to Fink & Schindler Co. and American Marble Mosaic Co.....

## LIENS FILED.

**San Francisco County.**

Mar. 10, 1920—S BROADWAY 127 W Laguna W 44-10½ S 137-6 E 34-4½ N 9-9¾ E 7-6 N 27-8¼ E 3 N 100. R J Byington vs Lillie H McCormick and Mrs. E W Goodrich..$54.15
Mar. 8, 1920—E STOCKTON 49-6 N Sutter N 24xE 56-9. The Turner Co Vs. Heine Piona Co.....$963.45
Mar. 6, 1927—LOT 7 BL K34, Forest Hill Extn. William Bernstein vs F M and wife, Mrs. F M Neher....$71
Mar. 17, 1920—N UNION 137-6 W Steiner W 55xN 137-6. M P Killian vs Anna Hladik.....$950
March 19, 1920—N UNION 137-6 W Steiner W 55xN 137-6. Frank J. Klimm vs. J. C. and Anna Hladik..
.....1545
Mar. 18, 1920—W FAXON S 3 from N line Lot 8 S 56 W 78 deg. 35 min. 28 sec. W 100.829 N 0 deg. 24 min. W 61.382 S 76 deg. 31 min. 59 sec. E 114.057 Ptn. Lots 9 and 10 Blk 3106, Westwood Park. Uhl Bros vs F A and G Brinkman.....$146 83

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# Permutit

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A. Mereen, Claremont Court.
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E. R. Diamond, Portola Road.
**Burlingame.**
E. A. Christenson, Hillsborough.
Geo. A. Newhall, Hillsborough.
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**PERMUTIT SOFT WATER.**


## BUILDING CONTRACTS

### Alameda County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 581 | Wallace | Williams | 500 |
| 582 | Slack | Owner | 5000 |
| 583 | Huxley | Owner | 500 |
| 584 | McKinnon | Owner | 500 |
| 585 | Bridgewater | Owner | 500 |
| 586 | Grutsch | Owner | 400 |
| 587 | McTeer | Owner | 12000 |
| 588 | Pow | Kennedy | 15250 |
| 589 | Davenporet | Nickerson | 3000 |
| 590 | Radke | Christenson | 800 |
| 591 | Waterfront | Owner | 6000 |
| 592 | Fritzgerald | Duval | 500 |
| 593 | Kincade | Starr | 660 |
| 594 | McClurg | Duval | 22790 |
| 595 | Guthrie | Ahenfeld | 10300 |
| 596 | Aluminum | Pedgrift | 5000 |
| 597 | Cockran | Owner | 6000 |
| 598 | Standard | Greene | 700 |
| 599 | Standard | Greene | 2000 |
| 600 | Haler | Owner | 13000 |
| 601 | McSeblan | Hoerl | 3600 |
| 602 | Bischoff | Owner | 4000 |
| 603 | Glauber | Wendt | 5800 |
| 604 | Taylor | Clark | 500 |
| 605 | Rienecker | Kopf | 964 |
| 606 | Woolworth | Owner | 2200 |
| 607 | Everly | Amer. Toy | 7000 |
| 608 | Hillen | Owner | 3500 |
| 609 | Hotel Claremont | Dawson | 1000 |
| 610 | Brown | Stenbro | 4000 |
| 611 | Spears | Owner | 500 |
| 612 | Hillen | Owner | 3900 |
| 613 | Hughes | Rollins | 6351 |
| 614 | Danforth | Jones | 800 |
| 615 | Blankenship | Johnson | 3500 |
| 616 | Moire | Thaxter | 3000 |
| 617 | Werner | Werner | 2500 |
| 618 | Same | Same | 2500 |
| 619 | Rosenberg | Smith | 460 |
| 620 | Goveir | Goveir | 450 |
| 621 | Brandi | Brandi | 1400 |
| 622 | Peters | Peters | 400 |
| 623 | Engler | Engler | 3000 |
| 624 | Engler | Engler | 6000 |
| 625 | Marquis | Marquis | 3000 |
| 626 | Schroeder | Schroeder | 500 |
| 627 | Standard Oil | Owner | 1000 |
| 628 | Spotswood | Schuessler | 4000 |
| 629 | Burman | Peterson | 8000 |
| 630 | Williams | Williams | 4000 |
| 631 | Churchill | Quigley | 450 |
| 632 | Pizzola | Pizzola | 400 |
| 633 | Solario | Perona | 1000 |
| 634 | Bruzzone | Perona | 5000 |
| 635 | Demmer | Owner | 3000 |
| 636 | Allen | Allen | 3000 |
| 637 | Rittigstein | Logulll | 450 |

GARAGE
581 NO. 1340 ARCH ST., Berkeley. Garage.
Owner—F. W. Wallace, Premises.
Architect—None.
Contractor—G. Williams, 806 Jackson St., Albany.
COST, $500

DWELLING
(582) NE CEDAR AND WALNUT STS., Berkeley. Two-story 6-room dwlg.
Owner—Julia C. Slack, 2235½ Haste St., Berkeley.
Architect—None.
Day's work. COST, $5000

GARAGES
(583) NO. 1522 GROVE ST., Berkeley. Two garages.
Owner—A. T. Huxley, 2324 Dwight Way, Berkeley.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(584) NO. 2954 MAGNOLIA AVE., Berkeley. Alterations.
Owner—Mr. McKinnon, Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(585) NO. 1909 EIGHTY-SIXTH AVE., Oakland. Alterations.
Owner—M. Bridgewater, Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(586) NO. 783 FORTY-SEVENTH ST., Oakland. Alterations and additions.
Owner—Wm. Grutsch, 519 31st St.,
Architect—None.
Day's work. COST, $400

APARTMENTS
(587) W GRAND AVE 222 S Elwood, Oakland. Two-story 12-room apartments.
Owner—Louise E. McTeer, 5961 Canning St., Oakland.
Architect—None.
Contractor—John D. McTeer, 5961 Canning St., Oakland.
COST, $12,000

ALTERATIONS
(588) SE NINTH AND BROADWAY, Oakland. Alter office building into meat market.
Owner—Pow Sang Co.
Architect—None.
Contractor—F. T. Kennedy, 954 Rose Ave., Piedmont.
COST, $15,250

ALTERATIONS
(589) NO. 329 SIXTY-SECOND ST., Oakland. Alter two-story dwelling into flats.
Owner—G. E. Davenporet, 348 63rd St., Oakland.
Architect—None.
Contractor—Geo. Nickerson, 1901 Buena Vista Ave., Alameda.
COST, $3000

GARAGE
(590) NO. 3051 RICHMOND BLVD., Oakland. One-story brick garage.
Owner—W. C. Radke, Premises.
Architect—None.
Contractor—C. Christenson & Son, 565 16th St., Oakland.
COST, $800

DWELLINGS
(591) N SUTER 365 and 400 W High, Oakland. Two one-story 5-room dwellings.
Owner—Waterfront Sash & Door Co., 2nd and Alice Sts., Oakland.
Architect—None.
Day's work. COST, $3000 each

ADDITION
(592) NO. 456 VAN BUREN ST., Oakland. Addition.
Owner—R. M. Fitzgerald, Premises.
Architect—None.
Contractor—Oliver Duval & Son, Dalziel Bldg., Oakland.
COST, $500

ALTERATIONS
(593) NO. 6522 WHEELER ST., Oakland. Alterations and additions.
Owner—Alice Kincade, Premises.
Architect—None.
Contractor—C. M. Starr, 2019 Delaware St., Berkeley.
COST, $660

GARAGE AND STORE
(594) NW TENTH AND OAK STS. 150x100, Oakland. One-story brick garage and store.
Owner—Georgia McClurg, 17 Prospect Drive, Oakland.
Architect—None.
Contractor—Oliver Duval & Son, Dalziel Bldg., Oakland.
Filed March 16, '20. Dated Feb. 25, '20

| | |
|---|---|
| Brickwalls up 10 feet | $4500 |
| Roof trusses set | 4500 |
| Roof boarding on | 3500 |
| Exterior frames set | 1500 |
| Interior finish completed | 1500 |
| Completed | 1600 |
| Usual 35 days | 5690 |
| TOTAL COST, | $22,790 |

Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.
NOTE: Permit reported March 6, 1920, No. 509.

BRICK BUILDING
(595) LOT 34, BLK. 1, SHATTUCK Tract, No. 2041 Center St., Berkeley. One-story brick building.
Owner—George Guthrie, San Francisco.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Harry Ahnefeld, 3100 Harper St., Berkeley.
Filed March 15, '20. Dated March 10, '20.

| | |
|---|---|
| Foundations laid | ¼ |
| Roof completed | ¼ |
| Completed and accepted | ¼ |
| Usual 35 days | ¼ |
| TOTAL COST, | $10,300 |

Bond, Sureties, Forfeit, none. Limit, 60 days. No plans or specifications filed.

ADDITION
(596) E ELEVENTH ST. AND THIRD Ave., Oakland. One-story frame add to factory.
Owner—Aluminum Products Co., 201 E-11th St., Oakland.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th St., Oakland.
COST, $5000

ADDITION
(597) N FIFTH ST. 100 E Broadway, Oakland. One-story brick add to garage.
Owner—Cockran & Celli, 418 5th St., Oakland.
Architect—None.
Day's work. COST, $6000

SHED
(598) N THIRD ST. 120 W Jefferson, Oakland. Shed.
Owner—Standard Brass Casting Co., Oakland.
Architect—None.
Contractor—S. A. Greene, 510 28th St., Oakland.
COST, $700

ADDITION
(598) NW THIRD AND JEFFERSON, Oakland. One-story brick add to factory.
Owner—Standard Brass Casting Co., Oakland.

Architect—None.
Contractor—S. A. Greene, 510 28th St., Oakland.
COST, $2000

APARTMENTS
(600) NO. 724 WESLEY AVE., Oakland. Two-story, 18-room apartments.
Owner—H. W. Haler, 559 16th St., Oakland.
Architect—None.
Day's work. COST, $13,000

ALTERATION
(601) NO. 2102 VINE ST., Berkeley. Alter 2nd floor to apartments.
Owner—R. D. McSehlan, 1427 Spruce St., Berkeley.
Architect—None
Contractor—J. F. Hoer', 1921 Castro St., Oakland.
COST, $3500

DWELLING
(602) S RUSSELL ST., 190 E College Ave., Berkeley. One-story, 6-room dwelling.
Owner—John A. Bischoff, 2717 Russell St., Berkeley.
Architect—None.
Day's work. COST, $4000

DWELLING
(603) S ALMA AVE 100 E Capell being Lot 8 Blk "r" Map Excelsior Heights, Oakland. All work for one-story 6-room dwelling.
Owner—August Glauber, 1712 11th Ave., Oakland.
Architect—W. J. Wilkinson, 4130 Manila Ave., Oakland.
Contractor—G. H. Wendt, Oakland.
Filed Mar. 17, '20. Dated Mar. 8, '20.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $5800
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(604) NO. 2521 CENTRAL AVE., Alameda. Alterations.
Owner—Mrs. S. M. Taylor, Premises.
Architect—None.
Contractor—R. P. Clark, 2214½ Santa Clara Ave., Alameda.
COST, $500

ALTERATIONS
(605) NO. 1535 PARK ST., Alameda. Alterations.
Owner—N. Rienecker, 2418 Eagle Ave., Alameda.
Architect—None.
Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland.
COST, $964.50

ALTERATIONS
(606) NO. 1429 PARK ST., Alameda. Alterations.
Owner—F. W. Woolworth, Rialto Bldg., San Francisco.
Architect—None.
Day's work COST, $2200

FACTORY
(607) NO. 1900 PARK ST., Alameda. Factory.
Owner—D. A. Everly, Park St., Ala.
Architect—None.
Contractor—American Toy Co., 217 5th St., Oakland.
COST, $7000

(608) N BOND 53 W Vicksburg, Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3500

DWELLING
(610) E KEMPTON AVE 140 S Moss Ave., Oakland. One-story 6-room dwelling.
Owner—Chas. F. Brown, 1707 Broadway, Oakland
Architect—None.
Contractor—A. Stenbro, 2122 Vicksburg Ave., Oakland.
COST $4000

DWELLING
(611) W LAUREL AVE 50 S Georgia, Oakland. One-story 3-room dwlg
Owner—A. W. Spears, 1413 Madison St., Oakland.
Architect—None.
Day's work. COST, $500

DWELLING
(612) N PRINCETON 136 W Cole, Oakland. One-story 6-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3900

DWELLING AND GARAGE
(613) E LAKE SHORE BLVD 200 N Brooklyn, Oakland. All work for two-story frame dwelling and garage
Owner—Charles C. Hughes, 348 Chicago Ave., Oakland.
Architect—L. F. Hyde, 2745 26th Ave. Oakland.
Contractor—E. E. Rollins, 357 Athol Ave., Oakland.
Filed Mar. 18, '20. Dated Mar. 15, '20.
Rough flooring laid on 1st story.$2000
Ready for plaster..... 2000
Plastered ..... 1000
Finish on ..... 10
Hardwood floors laid.....Balance
TOTAL COST, $6351
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ADDITION
(614) NO. 1120 ARCH ST., Berkeley. Addition.
Owner—Roy H. Danforth, Premises.
Architect—None.
Contractor—W. P. Jones, 2218 Los Angeles Ave., Berkeley.
COST, $800

DWELLING
(615) NE CARLTON AND DANA STS., Berkeley. One-story 5-room dwlg.
Owner—G. F. Blankenship, 2619 Ellsworth St., Berkeley.
Architect—None.
Contractor—C. M. Johnson, 2317 Carlton St., Berkeley.
COST, $3500

DWELLING
(616) N FRANCISCO 240 W McGee St., Berkeley. One-story 6-room dwelling.
Owner—F. F. Moire, 5443 Miles Ave., Oakland.
Architect—None.
Contractor—F. W. Thaxter, 1703 Virginia St., Berkeley.
COST, $3000

DWELLING
(617) E MATEHWS 107 N Russell St., Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. COST $2500

FRAME DWELLING
(618) NE RUSSELL AND DOHR STS., Berkeley. One-story 5-room frame dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. COST, $2500

ALTERATIONS
(619) NO. 2303 TELEGRAPH AVE., Berkeley. Alterations.
Owner—H. Rosenberg, 2331 Carlton St., Berkeley.
Architect—None.
Contractor—Harry C. Smith, 2611 Francisco St., Berkeley.
COST, $460

ALTERATIONS
(620) NO. 2750 E-TENTH ST., Oakland Alterations.
Owner—M. Goveir, Premises.
Architect—None
Day's work. COST, $450

DWELLING
(621) S HAYES 100 E Seminary Ave., Oakland. One-story 4-room dwelling.
Owner—Mrs. J. B. Brandi, 6121 Hayes St., Oakland.
Architect—None.
Day's work COST, $1400

ADDITION
(622) NO. 4125 PARK BLVD., Oakland Addition.
Owner—A. J. Peters.
Architect—None.
Day's work. COST, $100

DWELLING
(623) SE ROSE AND HOWELL STS., Oakland. One-story 5-room frame dwelling.
Owner—Louis Engler, 2435 College Ave., Berkeley.
Architect—None.
Day's work. COST, $3000

DWELLINGS
(624) S ROSE 41 and 77 E Howell Sts., Oakland. Two one-story 5-room dwellings.
Owner—Louis Engler, 2435 College Ave., Berkeley.
Architect—None.
Day's work. COST, $3000 each

DWELLING
(625) W SEMINARY AVE 200 N Seminary Court, Oakland. One-story 5-room dwelling.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. COST $3000

ADDITION
(626) NO. 3226 STAR AVE., Oakland. Addition.
Owner—W. H. Schroeder, Premises.
Architect—None.
Day's work. COST, $500

STATION
(627) SE TWELFTH AND MARKET Sts., Oakland. One-story steel service station.
Owner—Standard Oil Co., 200 Bush St., San Francisco.
Architect—None.
Day's work. COST, $1000

DWELLING
(628) W ALAMEDA 120 N Solona, Berkeley. One-story, 6-room dwelling.
Owner—H. G. Spottswood, Berkeley.
Architect—None.
Contractor—H. H. Schuessler, 2436 Telegraph Ave., Berkeley.
COST, $4000

DWELLING
(629) S CALMAR AVE., 250 W Carlston, Oakland. Two-story, 7-room dwelling.
Owner—Chas. H. Burman, 3074 Broadway, Oakland.
Architect—None.
Contractor—Alfred Peterson, 3918 Lynwood Ave., Oakland.
COST, $8000

DWELLING
(630) N EXCELSION AVE. 232 W Chatham Road, Oakland. One-story, 5-room dwelling.
Owner—Isabell S. Williams, 4338 View St., Oakland.
Architect—None.
Contractor—Chas. C. Williams, Syndicate Bldg., Oakland.
COST, $4000

GARAGE
(631) NO. 900 EXCELSIOR AVE., Oakland. Garage.
Owner—H. C. Churchill, Premises.
Architect—None.
Contractor—Chas. E. Quigley, 464 Van Buren Ave., Oakland.
COST, $450

ADDITION
(632) NO. 592 FORTY-SIXTH ST., Oakland. Addition.
Owner—Louie Pizzola, 4601 Telegraph Ave., Oakland.
Architect—None.
Contractor—S. A. Pizzola, 4601 Telegraph Ave., Oakland.
COST, $400

ALTERATION
(633) SW FORTY-EIGHTH and Telegraph, Oakland. Alteration.
Owner—E. Solario, 4529 Shafter Ave., Oakland.
Architect—None.
Contractor—John Perona, 570 7th St., Oakland.
COST, $1000

ALTERATION
(634) SE FOURTH AND BROADWAY, Oakland. Alter to rooming house.
Owner—L. Bruzzone Estate, 721 Pacific St., Alameda.
Architect—None.
Contractor—John Perona, 570 7th St., Oakland.
COST, $5000

DWELLING
(635) N HOPKINS 105 W Maybelle, Oakland. One-story, 5-room dwlg.
Owner—Capt. M. Demmer.
Architect—None.
Day's work. COST, $3000

DWELLING
(636) N LA VERNE 35 E 55th Ave., Oakland. One-story, 5-room dwlg.
Owner—A. M. Allen, 1615 83rd Ave., Oakland.
Architect—None.
Contractor—H. Allen, 1615 83rd Ave., Oakland.
COST, $3000

ALTERATION
(637) NO. 591 SEVENTH ST., Oakland. Alteration.
Owner—Maiden, Rittingstein & Co., 1310 Broadway, Oakland.
Architect—None.
Contractor—B. Loguill, 591 7th St., Oakland.
COST, $450

## COMPLETION NOTICES

### Alameda County

Mar. 10, 1920—LOT 28 BLK 8, 4th Ave Heights, Okd. Katherine Houck to H L Houck....Mar. 9, 1920
March 8, 1920—LOT 14, BLK 6 Map
March 11, 1920—NW PIEDMONT Ave. 162 SW Mather St. SW 84xNW 125, Oakland. Daniel Dwyer to whom it may concern..Mar. 11, 1920
Mar. 12, 1920—LOT 2 Vernon Park, Okd. Annabel Bannan to Solomon Morris .....Mar. 8, 1920
Mar. 13, 1920—PTN LOTS 23 AND 24 Blk 12, Map No. 4, Shattuck Tract; Ptn Lots 24, 25 and 26 Blk 11, Map No. 4, Shattuck Tract; Lot 10 Blk 9, Map No. 4, Shattuck Tct, Berkeley. Fidelity Mortgage Securities Co of California to whom it may concern .....Mar. 6, 1920
Mar. 13, 1920—NOS. 1634, 1634A, 1636, 1636A Alcatraz Ave, Bkly. R L Lenz to Henry Michard..Mar. 1 1920
March 16, 1920—LOT O, BLK. 8, Map Re-Sub. Blks. 5, 6, 7 8, Northlands Tract, Berkeley. Ernestine J. Cromwell to H. H. Schuessler.....March 12, 1920
March 16, 1920—PORT LOT 9, BLK. G, Map East Piedmont Heights, Oakland. Joseph Coward to whom it may concern.....March 16, 1920
March 17, 1920—SEVENTH ST. BAY to Broadway, 7th St. Broadway to Fallon, Webster St. 2nd to 13th Sts, Oakland. S. P. Co. to Ransome-Randle Co. .....Feb. 28, 1920
March 17, 1920—FIRST ST from Webster to Broadway, Oakland. S. P. Co. to Ransome-Randle Co.....Feb. 25, 1920
March 17, 1920—SEVENTH ST. Bay to Alice, Webster St., 2nd to 13th Sts., Oakland. S. P. Co. to Ransome-Randle Co.....March 6, 1920
Mar. 17, 1920—LOT 10 BLK 3 Map East Piedmont Heights Ext, Okd. Augusta Corum to whom it may concern.....Mar. 11, 1920
Mar. 18, 1920—S PALA AVE opp. Monte 50x110, Piedmont. F W Glazier to Alfred Peterson.....March 15, 1920
Mar. 18, 1920—LOTS 17 AND 18 BLK 2, Key Route Terrace No. 2. ——. Fred D Bullock to R H Cooley.....Feb. 20, 1920
Mar. 19, 1920—SE FORTY-THIRD & Market 30x90, Okd. Louis Valpreda to whom it may concern.Mar. 17, 1920
Mar. 19, 1920—LOT 4 BLK 8 Map Thousand Oaks Station Tract, Berkeley. H C Reid to George C Anderson.....Mar. 18, 1920

## LIENS FILED.

### Alameda County

Mar. 10, 1920—SW AUSEON AVE & Dowling, Okd. D S Childers vs Wm L and Marie F Newby.....$135

## BUILDING CONTRACTS.

### Santa Clara County.

SERVICE BLDG.
FIFTH AND MARTHA STS., San Jose. Concrete service building.
Owner—American Can Co., Premises.
Architect—Owner.
Day's work. COST, $4000

ALTERATIONS
NO. 256 S-FIRST ST., San Jose. Alterations.
Owner—T. E Baker & Sons Co., 101 E-Santa Clara St., San Jose.
Architect—Binder & Curtiss, 257 S-First St., San Jose.
Contractor—E. L. Wolfe, 131 Coe St., San Jose.
COST, $3000

COTTAGE
EMPIRE AND FIFTEENTH ST., San Jose. Five-room cottage.
Owner—Wm. H. O'Neil, 455 N-12th St., San Jose.
Architect—None.
Day's work. COST, $4000

ALTERATIONS
NO. 31 S-NINTH ST., San Jose. Alterations.
Owner—Mrs. O. F. Mist, Premises.
Architect—None.
Contractor—A. Maleck, San Jose.
COST, $2000

ALTERATIONS
NO. 350 S-TENTH ST., San Jose. Alterations.
Owner—Martha M. Wilsey, Premises.
Architect—None.
Day's work. COST, $1200

RESIDENCE
NO. 236 S-FIFTEENTH ST., San Jose. Six-room residence.
Owner—Rees Williams, 88 S-15th St., San Jose
Architect None.—
Day's work. COST, $4000

ALTERATIONS
NO. 258 S FIRST, San Jose. Alterations.
Owner—Gold Nugget Creamery (lessee), 42 E San Fernando, San Jose.
Architect—None.
Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.
COST, $1000

HOUSE
PALM ST. NR. HUMBOLDT, San Jose. House.
Owner, F. Paoli, San Pose.
Architect—None.
Contractor—M. Solomine, 714 Orchard St., San Jose.
COST, $800

ADDITION
NO. 398 S FOURTEENTH ST., San Jose. Addition.
Owner—C. Bronson, 398 S 14th, San Jose.
Architect—None.
Contractor—Howard Waltz, 132 Balbach, San Jose.
COST, $750

ALTERATIONS
S FIRST ST. NR. SAN CARLOS, San Jose. Alterations.
Lessee—Robinson & Son, 227 S 1st, San Jose.
Architect—None.
Contractor—Wallace &. Bush, Bank of San Jose Bldg., San Jose.
COST, $2000

## BUILDING CONTRACTS.

### Fresno County.

FRAME DWELLING
LOTS 20 AND 21 BLK 13, Arlington Heights, Fresno. Frame dwelling.
Owner—M. M. Dearing, 2875 Fresno St., Fresno.
Architect—None.
Day's work. COST, $2000

ADDITION
SO-SANTA FE AVE., Fresno. Addition
Owner—E. Y. Foley, 201 Rowell Bldg., Fresno.
Architect—None.
Day's work. COST, $5000

DWELLING & GARAGE
½ LOTS 6 AND 7 BLK 16, Arlington Heights, Fresno. Frame dwelling and garage.
Owner—D. M. Fenton, 3423 Washington Ave., Fresno.
Architect—None.
Day's work. COST, $3000

FRAME DWELLING
LOTS 64 AND 65, Earlhurst. Frame dwelling.
Owner—J. A. Whitaker, Fresno.
Architect—None
Day's work. COST, $4000

FRAME DWELLING
LOTS 35 AND 37 BLK 1, Droge Park, Fresno. Frame dwelling and garage
Owner—Geo. Schneider, Fresno.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
LOT 17 BLK 32, Fresno. Alterations.
Owner—Mrs. Ball, Fresno.
Architect—None.
Contractor—E. Riggins, 317 Mason Blvd., Fresno.
COST, $1000

ALTERATIONS
BUTLER AND SANTA FE AVES., Fresno. Alterations.
Owner—C. A. R. Co., 2131 Fresno St., Fresno.
Architect—None.
Day's work. COST, $1200

REPAIRS
NO. 510 FRESNO AVE., Fresno. Repairs.
Owner—G. C. Cannon, 2039 Fresno St., Fresno.
Architect—None.
Day's work. COST, $1000

DWELLING AND GARAGE
LOTS 19, 20, 21, LA SIERRA TRACT, Fresno. Frame dwelling and garage.
Owner—Central California Land & Improvement Co., 201 Trust Co. Bldg., Fresno.
Architect—None.
Contractor—R. C. Blackwell, 202 Trust Co. Bldg., Fresno.
COST, $10,000

DWELLING AND GARAGE
LOTS 1, 2, BLK. 13, NO. PARK TRACT, Fresno. Dwelling and garage.
Owner—O. S. Hecox, 848 Devisadero St., Fresno.
Architect—None.
Contractor—S. L. Allen, 530 Forthcamp St., Fresno.
COST, $6,000

DWELLINGS AND GARAGES
LOTS 3 TO 20, BLK. 5, NORTH PARK Tract, Fresno. Eleven dwellings and garages.
Owner—Stivers & Brashear, 1209 "I" St., Fresno.
Architect—None.
aDy's work. COST, $5,000 each

DWELLING
LOTS 1 & 2, BLK. 2, DROGE PARK, Fresno. Dwelling.
Owner—A. Rudolph, Fresno.
Architect—None.
Day's work. COST, $3500

DWELLING AND GARAGE
LOTS 15, 16, BLK. 4, ALLEN & BINford Tract, Fresno. Dwelling and garage.
Owner—C. E. Orwig, Fresno.
Architect—None.
Day's work. COST, $3800

ADDITION
LOTS 14, 15, BLK. 65, Fresno. Addition to building.
Owner—O. M. Thompson, 2543 Madison St., Fresno.
Architect—None.
Contractor—E. Riggins, Mason Bldg., Fresno.
COST, $10,000

STORE
LOT 2, BLK. 9, Arlington Heights, Fresno. Store.
Owner—Joe Garnero, 3430 Madison St., Fresno.
Architect—None.
Contractor—F. C. Wilson, 2321 Hills St., Fresno.
COST, $3000

GARAGE
LOTS 1 AND 2, BLK. 14, Central Add, Fresno. Garage.
Owner—C. W. Winther, 640 N. 4th St., Fresno.
Architect—None.
Contractor—S. L. Allen, 530 Forthcamp St., Fresno.
COST, $6500

DWELLING AND GARAGE
NO. 1409 GLENN AVE., Fresno. Frame dwelling and garage.
Owner—John Wilhoit, 1271 College, Fresno.
Architect—None.
Contractor—C. E. Millhollen, 363 Tresta, Fresno.
COST, $3700

DWELLING AND GARAGE
NO. 3207 WASHINGTON, Fresno. Frame dwelling and garage.
Owner—Frank Sisson, 3024 Illinois St., Fresno.
Architect—None.
Contractor—F. J. Stone, 304 Mason Bldg., Fresno
COST, $4800

DWELLING AND GARAGE
N 50 FT., LOT 5, ELMHURST, Fresno. Frame dwelling and garage.
Owner—Mrs. M. Partlow, 1244 College, Fresno.
Architect—None.
Contractor—J. R. Church, 221 No. "U" St., Fresno.
COST, $3500

DWELLING AND GARAGE
ALLEN & BINFORD TRACT, LOTS 7 and 8, Blk. 2, Fresno. Frame dwelling and garage.
Owner—A. Segel, Fresno.
Architect—None.
Contractor—Al McNair, 207 Echo St., Fresno.
COST, $3000

DWELLING AND GARAGE
LOT 3, BLK. 11, WILSON TRACT, Fresno. Frame dwelling and garage.
Owner—J. M. Miller, Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S 4th St., Fresno.
COST, $4000

DWELLINGS AND GARAGES
LOTS 33, 34, 35, BLK. 3, ORCHARD Hill, Fresno. Three frame dwellings and three garages.
Owner—Pearl Investment Co., Fresno.
Architect—None.
Contractor—Yarnell & Garges, 1026 S 4th St., Fresno.
COST, $3000 each

DWELLING AND GARAGE
CENTER 50 FT. OF LOTS 25 TO 28, Blk. 1, Hills Add, Fresno. Frame dwelling and garage.
Owner—Kelly & Nell, Fresno.
Architect—None.
Day's work. COST, $3500

DWELLING
LOT 3, BLK. 32, ALTA VISTA, Fresno. Frame dwelling.
Owner—E. M. Miller, Fresno.
Architect—None.
Day's work. COST, $3600

DWELLINGS AND GARAGES
LOTS 16 TO 20, BLK. 34, BELMONT Add, Fresno. Three frame dwellings and three garages.
Owner—W. F. Grounds, 700 San Pablo, Fresno.
Architect—None.
Day's work. COST, $4000 each

DWELLING AND GARAGE
LOT 7, BLK 27, ALTA VISTA, Fresno. Frame dwelling and garage.
Owner—Harry Erickson, 2019 Los Angeles St., Fresno.
Architect—None.
Day's work. COST, $5000

DWELLING AND GARAGE
LOTS 11, 12, BLK. —, PALM VILLA Tract, Fresno. Frame dwelling and garage.
Owner—Fresno Home Builders, 1231 "I" St., Fresno.
Architect—None.
Day's work. COST, $5000

## COMPLETION NOTICES.

### Fresno County.

Recorded Accepted
March 12, 1920—LOTS 11, 12 BLK. 4, Alhambra Tract, Fresno. W. A. Mosgrove, Jr., and F. L. Pettey to whom it may concern. March 9, 1920

## NOTICE OF NON-RESPONSIBILITY.

### Fresno County.

March 13, 1920—STORE ROOM AT 1161-63 Broadway, Fresno. H. Radin and A. Kamp as to improvements on leased property.
March 13, 1920—LOTS 23, 24, BLK. 59, K. B. Heights, Fresno. Thos. and Mary Cavanaugh to whom it may concern .....March 13, 1920
Mar. 16, 1920—LOTS 5 AND 6 BLK 1 and Lots 7 and 8 Blk 4, Belridge Park, Fresno. Guy Stockton to whom it may concern. .Mar. 13, 1920
Mar. 16, 1920—MUNICIPAL DISTRICT No. 1 (sewers under Contract No. 2), Fresno. City of Fresno to whom it may concern....Mar. 1, 1920
Mar. 16, 1920—LOTS 17 AND 18 BLK 12, College Addition, Fresno. Anna B Lowrey to whom it may concern .....March 16, 1920
Mar. 18, 1920—LOTS 42 AND 43 BLK 4, Belridge Park, Fresno. C F Cutting to whom it may concern.. .....March 8, 1920

## BUILDING CONTRACTS.

### Sacramento County.

ADDITION
NO. 820-24 "L" ST., Sacramento. Add to garage.
Owner—S. W. McKim, 2015 "H" St., Sacramento.
Architect—None.
Contractor—Herndon & Finnigan, 1714 16th St., Sacramento.
Filed Mar. 13, '20. Dated Mar. —, '20.
COST, $4860

DWELLING & GARAGE
NO. 1060 FORTY-FIRST ST., Sacramento. One-story 5-room frame dwelling and garage.
Owner—J. M. Welsh, 814 9th St., Sacramento.
Architect—None.
Contractor—C. Valine, 2417 15th St., Sacramento.
COST, $3800

RESIDENCE & GARAGE
NO. 2146 PERKINS ST., Sacramento. One-story five-room residence and garage.
Owner—O. Steinbrenner, 2184 Perkins Way, Sacramento.
Architect—None.
Day's work. COST, $3300

DWELLING & GARAGE
NO. 1515 FOURTEENTH ST., Sacramento. One-story five-room frame dwelling and garage.
Owner—I. Morris.
Architect—None.
Contractor—R. M. Smith, 2633 30th St., Sacramento.
COST, $4617

FRAME DWELLING
NO. 1058 FORTIETH ST., Sacramento. One-story 6-room frame dwelling.
Owner—E. Weisman, 1720 16th St., Sacramento.
Architect—None.
Contractor—R. M. Smith, 2633 30th St., Sacramento.
COST, $4600

ALTERATIONS
(609) HOTEL CLAREMONT, Oakland. Alterations.
Owner—Hotel Claremont, Premises.
Architect—None.
Contractor—J. Dawson, 2121 Durant Ave., Oakland.
COST, $1000

GARAGE
NO. 1410 ELEVENTH ST., Sacramento. Private frame garage for 5 machines
Owner—W. Bodefeld, 1024 N St., Sacramento.
Architect—None.
Contractor—W. P. Cippa, 2560 27th St., Sacramento.
COST, $1800

NO. 1109 FORTY-SECOND ST., Sacramento. One-story 6-room frame dwelling.
Owner—D. A. Civitello, 2620 O St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 I St., Sacramento.
COST, $5400

FRAME DWELLING
NO. 3600 SECOND AVE., Sacramento. One-story 5-room frame dwelling.
Owner—Dr. J. Culver, 3500 2nd Ave., Sacramento.
Architect—None.
Contractor—R. B. Staht, 1310 30th St., Sacramento
COST, $4000

DWELLING
NO. 1006 FORTIETH ST., Sacramento. One-story five-room frame dwelling.
Owner—E. D. Leipsic, 926 "J" St., Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 "G" St., Sacramento.
COST, $4650

DWELLING AND GARAGE
No. 1200 FORTY-THIRD ST., Sacramento. Two-story 8-room frame dwelling and garage.
Owner—F. B. Reardon, Thayer Apartments, Sacramento.
Architect—None.
Contractor—W. R. Saunders, 2614 "I" St., Sacramento.
COST, $8175

DWELLING AND GARAGE
NO. 1919 TWENTY-FIFTH ST., Sacramento. One-story 5-room frame dwelling and garage.
Owner—H. M. Earle, 2618 "M" St., Sacramento.
Architect—None.
Day's work. COST, $3600

STORE
NO. 1116 FIFTH ST., Sacrmento. One-story and basement brick store.
Owner—Max Smith, 500 "U" St., Sacramento.
Architect—None.
Day's work. COST, $6500

ALTER AND ADD
NO. 1904 "J" ST., Sacramento. Alter and add to building.
Owner—Western Pacific Railroad Co., 1900 "J" St., Sacramento.
Architect—None.
Contractor—Herndon & Finnigan, 914 "T" St., Sacramento.
Filed March 16, '20. Dated March 15, '20.
COST, $9316

## COMPLETION NOTICES.

### Sacramento County.

Completed Accepted
Mar. 13, 1920—STATION PLATFORM, Sacramento. S. P. Co. to Clark & Henery Construction Co..Mar. 6, '20
March 13, 1920— W30 FT. LOT 7, "J" "K" 13th and 14th, Sacramento. Ferguson Burns Est., Inc., to whom it may concern..Jan —, 1920
March 11, 1920—LOT 6 AND E ½ lot 6, I-J-11-12, Sacramento. Masonic Temple Association to whom it may concern .....March 3, 1920

## BUILDING CONTRACTS.

### San Joaquin County.

REMODEL BLDG.
WEBER AVE. AND EL DORADO ST., Stockton. Remodel building.
Owner—Vignolo & Piccardo, 1326 N-Van Buren St., Stockton.
Architect—None.
Day's work. COST, $4000

RESIDENCE AND GARAGE
FIRST AND AURORA STS., Stockton. Frame residence and garage.
Owner—Ramsey-Emerson Co., 540 E-Market St., Stockton.
Architect—None.
Day's work. COST, $2160

GALVANIZED IRON BLDG.
S-UNION ST., bet. Scotts Ave. and Taylor St., Stockton. Galvanized iron building.
Owner—Joseph E. Geiger, Scotts Ave. Cor Union St., Stockton.
Architect—None.
Day's work. COST, $2200

REMODEL
MARKET BET. SUTTER AND SAN Joaquin, Stockton. Remodel.
Owner—E. Fontana, 322 E Market, Stockton.
Architect—None.
Day's work. COST, $1000

RESIDENCE AND GARAGE
SONOMA AVE. AND NORTH SAN Joaquin, Stockton. Residence and
Owner—Julius Risso, 3135 N California St., Stockton.
Architect—None.
Day's work. COST, $5600

APARTMENTS
JEFFERSON BET. STANISLAUS AND Grant, Stockton. Apartments.
Owner—C. C. Henderson, 621 E Anderson St., Stockton.
Architect—None.
Day's work. Cost, $7,000

REMODEL
MARKET ST. BET. EL DORADO AND Hunter, Stockton. Remodel.
Owner—P. Muzio, 317 E Market St., Stockton.
Architect—None.
Day's work. COST, $2500

BUILDING
NO. 14 NORTH SUTTER, Stockton. Building.
Owner—Florence and Eva Brooks, 838 N San Joaquin, Stockton.
Architect—None.
Day's work. COST, $5000

W MAGNOLIA BET. STOCKTON AND Baker, Stockton. Frame residence.
Owner—Bert Riba, 705 E North St. Stockton.
Architect—None.
Day's work. COST, $3000

GARAGE
N EAST ST. BET. ACACIA AND MAGnolia, Stockton. Garage.
Owner—B. Baciocco, Stockton.
Architect—None.
Day's work. COST, $7660

## COMPLETION NOTICES.

### San Joaquin County.

Completed Accepted
March 15, 1920—LOT 1, BLK. 1, City of Lodi. Henry C. Rinn to W. D. Voorhies and May Stannard.....
.....March 12, 1920
Mar. 16, 1920—LOTS 36 AND 37 BLK 63, Tracy, John A Meagher to H J Ross .....Mar. 12, 1920

## JESSUP MAY BE ENGINEER OF LOS ANGELES.

LOS ANGELES, Cal.—Opposition of Mayor Snyder was said to have delayed the appointment of J. J. Jessup as city engineer of Los Angeles. It was declared that Jessup had been selected by the Board of Public Works, but that Mayor Snyder recommended further investigation. Jessup was formerly city engineer for Berkeley and is now working in the Imperial Valley.

J. J. Jessup was appointed city engineer of Berkeley in 1909, succeeding Wilbur F. McClure, who at the time the city charter was adopted became one of the commissioners. He was assistant city engineer previous to that time.

After holding the position of city engineer for eight years, Jessup resigned to resume private practice as construction engineer. At the beginning of the war he enlisted in Y. M. C. A. work and was sent to France, where he served during the war and for some time after the armistice was signed.

After returning he went to the Imperial Valley, where he has been located at Brawley as construction engineer for the Imperial Valley. He left here in December, and his family followed in January.

Before coming to this city Jessup was engaged as one of the engineers during the construction of the Panama canal.

## BUTTE COUNTY HIGHWAY UNIT SURVEY COMPLETED.

CHICO, Butte Co., Cal.—Martin C. Polk, County Highway Engineer, has completed surveys for the first unit of highway under the $1,800,000 bond issue. The stretch will run from Biggs to East Biggs.

Surveys will be completed within the next few days for a stretch leading from Oroville into Thermalito.

C. F. Belding is County Clerk.

## CRUSHED ROCK BIDS WANTED.

RENO, Nevada—Bids will be received by the Ormsby County Commissioners, Daniel E. Morton, Clerk, up to March 20th, 10 A. M., for furnishing approximately 7000 tons of Crushed Rock in a Stock Pile at its rock crushing plant near the north city limits of Carson City, Nevada, according to the requirements and specifications of the Nevada State Highway Department.

Certified check of 5% required.

## TO VOTE BONDS FOR STREET AND SEWER IMPROVEMENTS.

SONOMA, Sonoma Co., Cal.—The City Trustees have decided to call an election to decide the question of issuing and selling bonds of $75,000 with which to finance the improvement of Broadway; also Napa street and for an extension of present sanitary sewer system.

The election will be held the latter part of April.

Plans for the improvements are in charge of Howe & Peters, Engineers, 24 California St., San Francisco.

## FIRE ENGINE BIDS ACCEPTED.

SANTA ROSA, Sonoma Co., Cal.—The City Council has accepted the bid of the American La France Company for furnishing and delivering one 750-gallon combination pumping engine and hose cart at $12,500.

The machine is a six-cylinder type of 120 horsepower, and is to be delivered in 120 days from the signing of the contract f. o. b. Santa Rosa.

## RENO AWARDS CEMENT SIDEWALK CONTRACT.

RENO, Nevada.—The City Council has awarded a contract to F. M. Frandsen and T. S. Jensen, Reno, Nevada, to construct cement sidewalks, curbs and gutters. The work in the first district, north of the Truckee River, was 10 cents per square foot for sidewalks, 44 cents per lineal foot for curbs and gutters, and 22 cents per linear foot for gutters. In district No. 2, south of the river, the bid was 11½ cents per square foot for siedwalks and 45 cents per linear foot for curbs and gutters.

Bids were also submitted by Neidt & Gavin, Duncan & Christiansen, and A. Bevilaqua.

## BIDS OPENED FOR CONSTRUCTION OF RESERVOIR.

SAN FERNANDO, Los Angeles Co., Cal.—E. E. East, 121 Lexington Drive, Glendale, Los Angeles County, Cal., submitted the lowest bid at $20,050 for constructing a 3,000,000 gallon lined reservoir for the municipal water system. The reservoir will be 200 feet square at the top, partly excavated and partly embankment and will be lined with concrete reinforced with wire mesh. There will also be a timber roof. Other bids received were Mercereau Bridge & Construction Co., $24,550; Geo. Napier, San Fernando, $24,696; Bent Bros. Construction Co., $28,000; Prendergast Construction Co., $29,950. A. L. Sonderegger, Central Bldg., Los Angeles, consulting engineer. The bids were taken under advisement.

## ROAD GRADING BIDS WANTED.

RED BLUFF, Tehama Co., Cal.—Up to 10 A. M., April 5th, bids will be received by County Clerk H. G. Kuhn for grading Road No. 374 over the lands of Somers C Co. and G. M. Shattuck, in Supervisor District No. 5. Certified check of 5% payable to Chairman of the Board of Supervisors required.

## SOUTHERN PACIFIC WANTS PAVING BIDS.

SAN FRANCISCO.—Bids will be received by the Engineering Department of the Southern Pacific Company, Mr. J. Ahern, S. P. Bldg., for the improvement of Townsend street between Fourth and Seventh streets. The estimate quantities of the work follow:

24,300 cu. yds. fill.
1,775 lin. ft. 12" sewer.
1,220 lin. ft. 10" culverts.
6,846 lin. ft. curbing.
1,775 lin. ft. 15" sewer.
31 storm inlets.
15 manholes and 287,307 sq. ft. of asphalt pavement.

Bids close March 22nd, 2 P. M.

## BIDS WANTED FOR SEWER WORK.

GRIDLEY, Butte Co., Cal.—No protests being received at the last meeting the City Trustees have instructed the Clerk to advertise for bids for the construction of Unit C of the Sanitary Sewer System.

James Ownby is City Clerk

## PROPOSED PIER EXTENSION PLAN LIKELY TO BE TURNED DOWN.

OAKLAND, Cal.—The application of the Moore Shipbuilding Company of Oakland to extend its wharves and piers seventy-five feet beyond the present pier head line is being fought by Commissioner of Public Works Frederick Soderberg, who states that the work would operate against the inner harbor development.

Application has also been made to the U. S. Engineer's office for permission to do the work and a report from this source is awaited by the Council.

## ONE BID FOR PLASTER MODELS ON HONOLULU FEDERAL BUILDING

WASHINGTON, D. C.—Menconi Bros., New York City, at $1,880, submitted the only bid to the Supervising Architect, Treasury Department, for furnishing plaster models for the new Federal building at Honolulu, Hawaii, and will probably be awarded the contract.

## RADIO BUILDING CONTRACT AWARDED.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, has awarded a contract to Geo. W. Yamada, 205 McCandless Bldg., Honolulu, T. H., at $23,207.80 for the construction of raido buildings at Heeia, Hawaii, under Specification No. 4122. The time for completing is 140 days.

### HEARING ON INTERMEDIATE RATE ASSOCIATION CASE.

Secretary George B. McGinty of the Interstate Commerce Commission has informed the Traffic Bureau of the Chamber of Commerce that the Commission will conduct a further hearing in San Francisco on May 24th in connection with the Intermediate Rate Association case. This is the case in which it was proposed to generally advance all rates, both class and commodity, from Eastern defined territory to Pacific Coast cities.

### BUSINESS OPPORTUNITIES.

Royal Export & Trading Co., 350 Broadway, New York City, is in the market for mahogany veneered panels.

V. W. Long Lumber Co., American Trust Bldg., Birmingham, Ala., is in the market to dispose of a timber tract and sawmill property.

### WOULD DROP CONTRACT.

KLAMATH FALLS, Ore.—The California-Oregon Power Company is ready to relinquish its contract with the United States Government for the building of the Link river dam, which includes provisions for the storage and distribution of power and irrigation water supply in the Upper Klamath lake, on assurance that the government will build the dam at once. This is according to a statement of George J. Walton, local superintendent of the company, at a conference with water users and American Legion representatives here.

### STREET AND SEWER WORK PLANNED.

SANTA ROSA, Sonoma Co., Cal.—The City Council has passed a resolution providing for the guttering, curbing and paving of Wallace street from Washington to Davis street.

A resolution of intention was adopted to reduce Humboldt street from Benton to Spencer streets to the subgrade and pave it similar to the work ordered from Johnson to Benton recently, the paving to be 3 inches thick.

The City Engineer has been instructed to prepare plans for the improvement of Nason street from Orchard to Humboldt. Work will consist of concrete gutters and curbs and a 3-inch asphalt concrete pavement.

Vida McL. Doggett is City Clerk.

(33447) 1st report Feb. 19, 1920, and

### ENGINEER FOR DELHI COLONY APPOINTED.

TURLOCK, Stanislaus Co., Cal.—Ernest C. Fortier, recently with the Department of Agriculture and stationed at Los Angeles, has been appointed engineer in charge of the concrete pipe manufacturing plant in Delhi Colony, near Turlock. The plant will manufacture pipe for use of the colony. Approximately 100 miles of pipe will be laid, ranging in size from 6 to 30 inches.

### FRESNO COUNTY HIGHWAY BIDS WANTED.

FRESNO, Fresno Co., Cal.—Until 2. p. m., April 5, bids will be received by Supervisors of Fresno County for paving route 18, Sec. A, 7.75 miles, through the townsite of Del Rey. Bids will be taken under four specifications providing for concrete base with asphaltic concrete or Warrenite top and bituminous-base with Topeka or Warrenite top. The contract involves 3,200 cu. yds. excavation, 3624 cu. yds. concrete, 234,826 sq. ft. surfacing, 234,826 sq. ft. asphalt concrete pavement and 6 culverts. Plans and specifications may be obtained from Chris Jensen, County Engineer, Cory Bldg. Certified check for 10% required. D. M. Barnwell, Clerk.

### BIDS WANTED FOR DRILLING WELL

MODESTO, Stanislaus Co., Cal.—W. O. Thompson, City Clerk, will receive bids up to March 24th, 7:30 P. M., for the boring of a well.

Location: To be determined by the City of Modesto. Size and Depth.

The inside diameter of well will be 18" and the depth approximately 200 feet. The depth to which the well shall be put down may vary, and will depend upon the formation encountered.

casing: A double well casing shall be used of the ordinary type of hard red riveted steel. Both the inside and outside casing shall be of No. 12 wire gauge with a weight per lineal foot for the double casing of 71½ lbs., and a variation below this weight of not exceeding 2½ per cent below these weights.

Certified check of 10% payable to Mayor of City required.

### WOODLAND PLANS EXTENSIVE STREET IMPROVEMENTS.

WOODLAND, Yolo Co., Cal.—The City Council has adopted resolutions of intention providing for the paving of Bush street and for gutters and curbs in seven other thoroughfares.

Curbs and gutters are to be installed in Clover street, between Walnut and Fourth streets; Locust street, between Clover and Elliot streets; Elliot street, between Elm and College streets; Elm street, between Court and Clover streets; North street, between Walnut and Elm streets; Fourth street, between Main and North streets; Walnut street, between Oak avenue and Cross street, and between Clover and Court streets.

J. H. Laugenour is City Clerk.

### BID REJECTED FOR 250 MILES OF HIGHWAY.

PHOENIX, Ariz.—The bid of Warren Bros. for constructing highways under the $4,000,000 bond issue of Maricopa County received March 6, was rejectde and a new call for bids will be issued in a few days, the highway commission announces, in the hope of securing competition. All bids received for road materiale were also rejected. Southwestern Portland Cement Co. bid $2.15; Riverside Portland Cement Co., $2.40, and California Portland Cement Co., $2.45 per bbl. for cement, all prices f. o. b. mills. Warren Bros. bid for asphalt in tank cars $13 ton and in barrels $19 ton f. o. b. San Francisco, and $13.75 and $19.75 for bituminous cement. Standard Oil Co. bid $13 and $19 for asphalt f. o. b. San Francisco and Texas Co. $43.21 to $45.79 f. o. b. Arizona points in barrels, and $2 per ton lese in tanks.

### WATER SYSTEM BOND ELECTION.

EL CENTRO, Imperial Co., Cal.—An election will be held April 12 to vote on issuing $194,000 bonds to construct settling basins and a concrete aqueduct to supply domestic water from the New River. There will be three settling basins each 1000 feet long and 60 feet wide. Bonds for a new fire alarm system and a new lighting system will be submitted at the election.

### SCHOOL BONDS VOTED.

SAN JUSTO, San Benito Co., Cal.—Bonds of $22,000 have been voted for a new grammar school building to contain two classrooms and assembly hall seating 300.

### PLAN TO ERECT HOME.

RIVERSIDE, Riverside Co., Cal.—The Pacific Division, Neighbors of Woodcraft, have purchased the property at 342 Magnolia avenue, Riverside, as a site for a home for children and aged people. The tract contains 15 acres and there is a 22-room house and a 6-room bungalow on it. The new owners contemplate the erection of new buildings to cost $250,000. Mrs. C. C. Ordsall is Grand Guardian of the order. Mrs. Grace Tyler of Los Angeles is chairman of the Woodcraft Home Council.

### SEWER CONTRACT AWARDED.

PITTSBURG, Contra Costa Co., Cal.—The City Trustees have awarded a contract to Hutchinson & Co., 444 17th St., Oakland, for the construction of the storm and sanitary system on a bid of $30,904.30.

### STREET WORK BIDS WANTED.

OAKLAND, Cal.—Bids will be received by W. L. Cummings, City Clerk, up to 12 M., April 1st, for the improvement of Fifth street from Clay to Jefferson by grading, constructing concrete curbs and brick gutters and paving with asphalt macadam.

### SANITARY SEWER BIDS WANTED.

FRESNO, Fresno Co., Cal.—Up to 8 P. M., April 4th, bids will be received by Chas. Dillon, City Clerk, for the construction of sanitary sewers for Municipal Improvement District No. 1.

Certified check for 10% payable to Mayor of City required.

### TO REBUILD BRIDGES.

PHOENIX, Ariz.—The Governor is expected to issue a proclamation in a few days providing funds from the $350,000 State emergency fund for repairs to the Tempe and Agua Fria bridges on the State highway. Seventeen spans of the latter bridge will be replaced by a wood pile structure and costly repairs must be made to the Tempe bridge.

### BIDS WANTED FOR FRESNO SCHOOL BONDS.

FRESNO, Fresno Co., Cal.—April 8 is the date set by the Board of Supervisosr for opening bids for the purchase of the balance of the Fresno city high school bonds, aggregating $920,000.

March 26th is the date set to open bids for the purchase of the balance of the elementary school bonds of the Fresno city grammar school district.

D. M. Barnwell is County Clerk.

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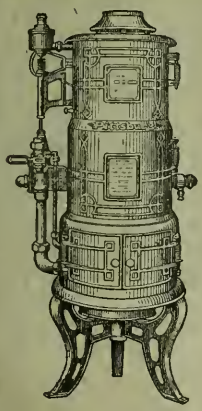

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TIME: First Thursday of the Month; 7:30 P. M.

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# EDITORIAL

## CITY ENGINEER O'SHAUGHNESSY FLAYS KNOCKERS OF HETCH HETCHY PROJECT.

At a recent luncheon of the Downtown Association of San Francisco, City Engineer M. M. O'Shaughnessy termed as traitors to the city "the interests that have been maliciously trying to injure the city by misrepresntation of facts." He classified the Hetch Hetchy project as the greatest asset possessed by any city in the United States.

O'Shaughnessy said the present financial condition makes it necessary to let the work by contract at a cost greater than could be done by day labor, but believes it would be poor business to sacrifice the $2,000,000 yearly income by a dilatory construction program.

Moving pictures illustrated what had been accomplished on the project:

First: A railroad 68 miles long has been built from Hetch Hetchy Junction, 26 miles northeast of Oakdale, to Hetch Hetchy Damsite, at a cost of approximately $2,000,000. This is capable of handling all freight on the work and bringing return freight of nearly 2,000,000 tons of lumber, which is tributary to the road.

Second: A 4,000 horse power hydro-electric power plant has been completed at Early Intake, 12 miles below Hetch Hetchy, which provides electricity for all the construction operations of the mountains.

Third: A power line has been built from Early Intake to Priest, a length of 30 miles.

Fourth: A buttressed arch dam at Lake Eleanor, 64 feet high and 1200 feet long, has been constructed across the gorge one mile below the lake, which now has a capacity of double the size of Lake Chabot.

Fifth: A power canal in tunnel aqueduct and in flume 3 miles long, has been built from Cherry River to the power plant. This canal is fed in low period of water flow by the released water from Lake Eleanor.

Sixth: The main tunnel aqueduct has been started from Early Intake to Priest. This will be 10 feet 6 inches in diameter, capable of carrying 400,000,000 gallons of water per day.

Seventh: The construction on Hetch Hetchy dam is progressing satisfactorily. This dam will be 320 feet above the water aurface of the stream, and an average of 65 feet below.

## REPORT TO CHIEF OF ENGINEERS OF UNITED STATES ENDORSES PROPOSED NAPA RIVER IMPROVEMENTS

WASHINGTON, (D. C.). The Board of Engineers find it advisable to improve the mouth of the Napa River, California.

In a letter to Representative Clarence F. Lea, the Assistant Engineer and Secretary of the board writes:

"The board concurred in the recommendatio nof the District and Division Engineers that it is advisable for the United States to undertake the improvement of the Napa River in accordance with plans presented, which provided for the construction of two small jetties and the blasting of a few boulders, with a view to obtaining a channel having a minimum depth at low water of about three feet, at a total estimated cost of $24,000, of which local interests are to contribute $8,000. Annual maintenance is estimated to cost $2,000 for the first few years, and $1,000 annually thereafter.

"The evidence before the board showed that the local interests were willing to make this contribution. The board's report was forwarded from this office to the Chief of Engineers under date of January 27 1920, and is in that office, unless it has been forwarded to Congress."

The improvement in the river is to be made near Napa, at Jack's Bend, Spreckles' Bend, Car Bend and Horseshoe Bend.

Land for the cut-offs and dumping grounds was donated by interests at Napa.

The improvements are designed as an aid to shipping on the Napa River.

## COLLECTION OF ARMY ENGINEER EQUIPMENT TO SMITHSONIAN.

The Secretary of War has authorized the transfer of certain Army Engineer equipment to the Smithsonian Institution for exhibition. The collection, which includes equipment instruments, papers, photographs, charts, etc., tends to display the part played by the Corps of Engineers during the World War.

The exhibit includes a collection of instruments used in sound and flash ranging apparatus, including microphone and geophone sets and an aircraft finder known as a Paraboloid mounted on a chasis. The search light apparatus includes a 60-inch open type search light, 24-inch mounted search light and a 36-inch barrel-type search light together with power unit, trailer and railway tower equipment, as well as other smaller lights and mirrors. Camouflage material comprising drawings, photographs and models illustrate the use of camouflage in the field. Another exhibit will include tools and equipment used by Sapper regiments. Under miscellaneous collections there are a full size collapsible pontoon equipment used in the A. E. F., a gasoline locomotive and models of bridges, dugouts and barbed wire entanglements. Some fifty photographs and relief maps show operations conducted by the Engineers or with engineering equipment in the A. E. F.

Some of this equipment has already been installed at the Smithsonian Institution and the remainder is in the course of completion. It all forms part of the exhibits now being assembled for permanent display in the National Museum which is a part of the Smithsonian Institution.

## PROGRESS OF WORK ON SWEDISH RAILWAYS.

The State Railways of Sweden showed a profit in September, 1919, of 2,700,000 crowns and in October of 4,206,000 crowns, thus seeming to indicate that the high freight and passanger rates will not be further increased, reports the American consul at Stockholm. The State Railways' Administration has asked the Government for 44,687,000 crowns for construction work and new buildings in 1920. Included in the work contemplated are: Electrification of the road from Kiruna to Svarton at a cost of 22,200,000 crowns; relaying the line Kallered-Lindome, and construction of houses for employees. The Administration expects to spend 2,600,000 crowns in equipping cars with airbrakes.

For the construction of new lines in 1920 and to enable work to be started on a new bridge over the Ume river, the directors of the Inland Railway have asked the Government for 8,900,000 crowns: 1,900,000 crowns to be used in 1920 and 7,000,000 crowns to be available in 1921. (The normal value of the crown is $0.268).

E. E. Kelly calls John M. Palmer of the Manhattan, Kan., "Mercury" the champion pessimist, on account of the view expressed as follows: "We suppose when they get these new wireless telephones, and Central isn't able to get the number you want, she will tell you that the air is busy."—Exchange.

# American Association of Engineers

**NEWS FROM NATIONAL HEADQUARTERS.**

The second annual railroad conference of the American Association of Engineers, held in Chicago on March 15, transacted the following business:

After the necessity for the retention of a permanent railroad organization, consisting of an assistant secretary and other personnel, the conference was asked by J. R. Leighty chief engineer of the Missouri Pacific Railroad, who was chairman of the afternoon meeting, to express its opinion on the question. There was a decided majority in favor of an assessment of $2.00 for each railroad member to meet the expense of a national railroad secretary and a railroad department. No negative votes were reported and it is probable that the national executive committee will soon authorize the employment of a national railroad secretary.

A few minor changes in the railroad schedule were adopted.

The meeting favored the maintenance of a national railroad department under a paid railroad secretary.

A telegram was sent to the Interstate Commerce Commission asking that C. E. Lindsey, a professional engineer and a member of the Board on Wages and Railway Working Conditions of the U. S. Railroad Administration, be placed in nomination for appointment to the Railroad Labor Board provided for by the Cummins-Esch Bill. This board will consist of three representatives of the public, three of the railroads, and three of subordinate officials and other employees. The commission is selecting six nominees for each of the two last named groups.

A resolution was adopted requesting the Alaskan Engineering Commission to "give full consideration and favorable action to the petition" for salary increases submitted to the chairman of the commission by employees.

The conference adopted resolutions expressing "hearty appreciation of the action of Engineering Council" in sending a committee to address the conference, thanking the committees and members "who have given much of their time and energy to the preparation of material for presentation," extending the thanks of the association to Mr. D. A. Tomlinson for his untiring efforts, and inviting railroad members of the A. A. E. to chart present and ten year past ratios of living costs, wages, passenger miles and freight ton miles and other items for the purpose of making such data available for use by the association in its investigations wherein the same may be pertinent or of useful application."

Among the addresses were those of Samuel M. Felton, president of the Chicago Great Western Railroad, who spoke on the problems of the railroads since their return to private management; George W. Hand, assistant to the president of the Chicago and Northwestern Railway, who advocated section activities which will train engineers for executive positions; W. C. Bolin, chairman of the A. A. E. subcommittee on salaries; F. H. Newell, president of the American Association of Engineers; J. B. Jenkins, valuation engineer of the Baltimore and Ohio; and F. B. Morrow, chief engineer of the Chicago and Western Indiana.

William H. Hoyt, chief engineer of the Duluth, Missabe and Northern, and J. R. Leighty, chief engineer of the Missouri and Pacific, presided at the sessions.

A committee representing Engineering Council discussed the Council's compensation report. This committee consisted of Arthur S. Tuttle, chief engineer, Board of Estimate and Apportionment, New York City; Colonel Bion J. Arnold, consulting engineer, Chicago, and Oscar C. Merrill, chief engineer, U. S. Forest Service, Washington, D. C.

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The twenty thousand railroad professional engineers of the United States were represented at the hearing of the Interstate Commerce Commission on March 15 by a committee of the American Association of Engineers, consisting of L. K. Sherman, president of the United States Housing Corporation; District Secretary R. C. Bailey, and C. H. Wisewell. The hearing was called in compliance with the terms of the Transportation Act to determine which employees are to be classed as "subordinate officials and other employees," and for promulgating other rules governing nominations for appointment to the Labor Board.

The American Association of Engineers was the only organization of professional engineers which had delegates at this meeting.

The representatives of the Railway Executives contended that all engineers should be included in the "official" group. The hearing was not concluded on the 15th. On the following day Mr. Sherman requested that A. A. E. be recognized as representing twenty thousand engineers, architects, draftsmen, etc., employed on railroads and that the association be permitted to make a separate nomination.

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The Michigan Engineering Society has voted in favor of the amalgamation of the society with the American Association of Engineers by a letter ballot just completed. The official vote has not yet been announced, but it is understood that more than 75 per cent of the members are in favor of the amalgamation. The new organization will be known as the Michigan Engineering Society, Michigan State Assembly of the American Association of Engineers. The Michigan Engineering Society is reputed to be the oldest engineering society in the United States. It was organized about 60 years ago and has a membership of 325. The board of directors includes Wm. A. Cox, engineer managger, St. Claire County Road Commission, president; Otto E. Eckert, city engineer, Lansing, Michigan, vice-president; A. J. Decker, professor of sanitary engineering, University of Michigan, treasurer; L. C. Smith, engineer manager, Wayne County Road Commission, Detroit; and R. W. Robers, civil engineer, Saginaw. J. H. Bateman is secretary.

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G. C. G. Gray, mechanical engineer with the Automatic Fuel Saving Company, Pittsburgh, addressed the Chicago Chapter of the American Association of Engineers on March 19 on Automatic Control of Combustion in Steam Boiler Furnaces. Other addresses were on Zoning, by Alderman Kostner, chairman of the committee on buildings of the Chicago city council; on Stabilizing the Dollar, and Universal Military Training.

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The St. Joseph Chapter of the American Association of Engineers has elected J. C. Holland, chief engineer of the St. Joseph Structural Steel Company, as president. George S. Yant, valuation engineer of the St. Joseph and Grand Island Railway and Glen B. Riddle of the St. Joseph Structural Steel Company are vice-presidents. Clayton O. Judson, city engineer of St. Joseph, is secretary, and W. B. Hazen, consulting engineer, is treasurer.

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Dr. F. H. Newell, president of the American Association of Engineers, addressed the University of Wisconsin Chapter of the A. A. E. at Madison on March 12. The chapter was formally installed by Dr. Newell and Dean F. E. Turneaure.

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Dr. F. H. Newell, president of the American Association of Engineers, appeared before the St. Paul City Council on March 13 in favor of an increase in compensation for the municipal engineers of that city. The Twin City Chapter of A. A. E. had previously presented a request to council for the increase.

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Doctor Newell addressed the University of Minnesota Chapter of A. A. E. at a meeting on the same evening at the University, which was attended by many engineers of the Twin Cities.

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The Tacoma Chapter of A. A. E. has officially approved the adoption of the Metric System in this country. The national board of directors has referred the matter to the chapters for their information and consideration.

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A. A. E. charters have been granted members petitioning from Flint, Michigan; Corvallis, Washington; Minot N. B. and club certificates to members petitioning from Atchison, Kansas Boise and Idaho Falls, Idaho.

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A committee of A. A. E. will be appointed to study and report conditions in the field of the consulting engineer and to draft recommendations for a schedule of consulting engineers.

The membership of the American Association of Engineers on March 16 was 14,100 with 6,143 applications for membership pending.

### SAN FRANCISCO CHAPTER.

March 22, 1920.

Building & Engineering News,
San Francisco, California.

Gentlemen:—My attention has been called to the letter in your issue of March 17, addressed by Mr. V. D. Cousins to the Board of Directors of the San Francisco Chapter, American Association of Engineers, dealing with the manner in which the meetings of the Chapter have been conducted since the present group of officers were elected. This letter has not been presented to the Board of Directors of the Chapter as they have not held a meeting since the date it was filed with our secretary. I feel, however, that as the meetings to which Mr. Cousins refers were not only presided over by me, but were the result of my planning, that I should have the privilege of replying to it as president of the Chapter, but not as the representative of the Board of Directors or other officers.

The keynote of the discussion at Chapter meetings prior to the incumbency of the present officers, was that while the engineer as such might be a very efficient individual, that he was not sufficiently well prepared to take his place in the world of men who are up and doing. While a structural engineer was fully competent to determine strains and stresses, he did not approach a discussion of the commonplaces of contemporary progress with the same assurance that he did his drafting board. I do not wish to pose as either the judge of my fellow engineers or as their preceptor, but realizing the honor that had been done me by my election as president of the Chapter, I felt that I could do not less than reciprocate the kindness of the members by furnishing them with programs that would prove both entertaining and educating. It has not been my intention to serve the bitter pill of education coated with the sugar of entertainment in the belief that it was necessary to force the professional engineer to a knowledge of the world's world's doings.

Reviewing the programs, beginning with the first of this year: In January, we had as our topic, "America's Greatest Crime," our speaker being Mr. Jay W. Stevens, manager of the Fire Prevention Bureau of the Pacific. It may be said that as the officer in charge of fire prevention and protection of property valued at upward of thirty-seven millions of dollars and as chairman of a section of the Railway Fire Protection Association, that I had a selfish interest in arranging this program. I will readily agree to this verdict for I most certainly did have a selfish reason, but it was not the one that might be attributed to me as intimated above. As an American citizen, I am anxious to see the tremendous fire losses reduced, and as an engineer, I am even more anxious to see my fellow engineers play the leading role in this reduction. At our February meeting, the plat de jour was a talk on "The Psychology of Engineering," by Mrs. Craig. Whether the enthusiastically flattering comment made by the members of this meeting were occasioned by Mrs. Craig's personality or by the facts she introduced, I am unable to say, but the general comment could be interpreted as a request for more programs of the same kind.

Assuming that the critical engineer unused to adjusting his habit of thought to the rapid changing orders of the age had reason to criticise the January and February meetings, it is hard to believe that even the most jaded engineering mind could fail to respond to the inspiring address of Miner Chapman at the March meeting. If it is possible that some of our own members were unable to appreciate the verbal masterpiece that was placed before them, this cannot be said of the "scouts" of the Founder Societies for they immediately, following our meeting, inveigled him into delivering an address before their meeting the following Thursday evening.

Why is it that prominent members of the Founder Societies who have not attended meetings of their own chapter for years, have attended those of the A. A. E. during the past three months? Is it because they like to hear us discuss matters pertaining to "wages and working conditions," or is it because they feel that they can broaden their outlook through visiting with us? I will admit freely that an open forum, or a safety valve if you wish to term it that, is an excellent thing, but possibly some of our mechanical engineers would tell us if we were to turn our meetings into such a forum, that we had failed to set the "pop" before running up the steam. One of our own members informed me over the telephone the other day that we were the "Bolshevists of the engineering profession." I do not agree with him one iota, but it seems to me that if we throw our meetings open to a discussion of everything and anything that any member wishes to discuss, and it, of course, must be understood that neither the Chapter nor the Association can be responsible for the views of individual members, that we might possibly with some slight reason be accused of setting up a soviet.

Yours sincerely,

WILLIAM S. WOLLNER,

President San Francisco Chapter,
American Association of Engineers.

#### Notice of April Meeting.

Date—Thursday, April 1, 1920.

Time—7:30 p. m. Note change in hour.

Place—Engineer's Club, 57 Post Street, San Francisco.

The April meeting will be a business session exclusively, no special speaker being provided.

This is done to test the drawing power of a strictly business meeting as against one which includes a talk on some general subject of interest to us all, and also to bring before the membership for discussion a number of important matters, among which may be mentioned the following:

1. The amendment of our Constitution to provide that Chairmen of Chapter Sections be members of the Chapter's Board of Directors.

2. The policy of having a special speaker at the meetings and the proper division of time between the program and business portions of the meetings.

3. A discussion of the tentative program for social meetings outlined elsewhere by the Program and Fellowship Committees.

4. The matter of sending a delegation to the St. Louis Convention in May.

Please note that the hour has been changed from 8:00 to 7:30 p. m. sharp, in order that the meeting may adjourn in time for our trans-bay members to catch the 10:40 boat.

#### The March Meeting.

The address made by Mr. Miner Chipman to the San Francisco Chapter of the American Association of Engineers, at the meeting on March 4th, was pronounced by many to be the most valuable address they ever heard, and numbers have unqualifiedly declared that the meeting was the best the Chapter has ever held. Mr. Chipman spoke on "The Engineer as an Executive," and clearly showed that the reason engineers were so seldom executives was because they are usually "staff officers," and as such are men who advise what should be done—and some one else acted on the "advice" or not, as they pleased. He pointed out how the legal and medical professions are also "staff officers," but have obtained such recognition of their professions, both legally and in public esteem, that their "advice" is usually taken as orders.

We understand that Mr. Chipman has consented to write an article on this same subject for the "Professional Engineer," in which case the Association membership generally will have the benefit of his clear-cut analysis of the status of the engineering profession.

Mr. M. M. O'Shaughnessy, president of the local section of the American Society of Civil Engineers, was present as the guest of Mr. Phelps and addressed the Chapter informally.

The Chapter unanimously passed a resolution supporting the position of the City Engineer and Mayor in the present controversy on the Hetch-Hetchy project, which was threatening to interrupt the prosecution of the work.

#### Objection to Proposed Amendment.

Some objection has been raised to the adoption of the proposed amendment to the Constitution which provides that presidents of Sections be members of the board of directors.

It is pointed out that the board of directors should be a truly representative and democratic body, and that each director should be elected by a majority vote of the entire membership of the Chapter. The proposed amendment would make it possible that a director represent the choice of as few as ten members of the Chapter, yet this director would have equal voice on the Board to that of the other directors. In effect, it grants a special privilege to members of Sections not possessed by other members of the Chapter in that it gives the Section member two votes to the ordinary member's one.

Opportunity for a free discussion of this amendment will be provided at the April meeting of the Chapter, at the close of which the ballot will be closed. Any who desire to change their vote already cast have that privilege until that time.

**An Announcement.**

In accordance with a plan to promote professional unity, the National Executive Committee has ordered that up to May 11, 1920, a special entrance fee of five dollars will be in effect for applicants who are members in good standing of any recognized engineering organization. This news should result in a considerable increase in the number of applications received. In order to avoid possible confusion, it is suggested that any such applicants note on their appylication what engineering societies they are members of. This information must of course be supported by data on their qualification records.

**Committee Notes.**

The Program and Fellowship Committees announce the following events as part of our Chapter activities during this year: a social dance in May, a swoker in October, and the annual meeting and banquet in December.

The dance will be held on Thursday, May 6, instead of our usual meeting. It is planned to give our members an opportunity to become acquainted in a manner not afforded by our business meetings, and also to prove the quality of our new organization to our wives and sweethearts, which is even more important than proving it to our business associates. Good music and a good floor should be a common meeting ground for all. Arrangements are now under way to hold this dance in Oakland or Berkeley, thus compensating our trans-bay brethren for their usual sacrifice in being with us. Keep this date in mind and arrange to have Aunt Jennie stay with the "kids" so that you and your wife can "trip the light fantastic."

The Fellowship Committee appeals to all members to assist in its work by wearing a name tag at each meeting. This helps us greatly in getting acquainted. Keep the tag in your card case so you will have it at next meeting.

Announcement is made of the following standing committee for 1920:

Program Committee—Geo. D. Whittle, Chairman; J. E. Estes, F. M. Purdy, A. T. Howe, E. B. Rhine, John F. Johnston, T. R. Mini, S. C. Whipple.

Building and Engineering News,
San Francisco, Cal.

Gentlemen: Having read with much interest the letter of Mr. Cousins in your number of March 17th, I cannot refrain from voicing a few ideas along somewhat similar lines.

With the highest respect for the officers and directors of San Francisco Chapter, and appreciation of their efforts, I nevertheless agree with Mr. Cousins that the present rules of procedure at Chapter meetings should be modified materially if the maximum good is to be accomplished either for the members individually or for the engineering profession collectively.

The American Association of Engineers was organized for the accomplishment of certain definite objects which are set forth in article II of its Constitution. I believe that it was in the hope that these objects could be attained to a substantial degree by collective effort that most of its members have become members. If the Association will face the issues squarely and actively and positively, much undoubtedly can be accomplished. United and aggressive effort is bound to produce results. But if the main objects are to be left in the background or made incidental or subordinate to other activities, the objects for which the Association was organized are not going to be realized in any large measure, if at all.

San Francisco Chapter meets but twelve times a year. Three meetings, or one-fourth of all the meetings of the year 1920 have already taken place. Excellent lectures have been delivered on three highly interesting subjects; but the objects of the Association, which are "to raise the standards of ethics of engineering and to promote the economic and social welfare of engineers" have, to my mind, languished. During the nine remaining meetings of the year, it is proposed to have a dance, a smoker, some additional lectures and some informal programs. When, then, are we to transact business.

I think it will be agreed that it is not necessary to attend A. A. E. meetings to hear addresses and indulge in social diversions. All of us can attend public lectures and functions of all sorts at times other than on the first Thursday of each month. When the membership of San Francisco Chapter gets together it ought to take advantage of that great opportunity to face with all the ability and means at its disposal and in the spirit of article II of its Constitution the peculiar problems that confront engineers. All other matters should be subordinate.

There is no need to name in detail the subjects which might well be taken up at meetings. Compensation surely is one of them. The inadequacy of the pay of engineers is certainly well enough appreciated by us all. If anything is to be done toward gaining recognition and salary readjustment it would behoove us to get behind the movement actively.

Progress in securing adoption of engineering license laws has been made in other States. Probably such laws are advantageous to engineers—let us investigate them, and having investigated them, act. Other legislation is coming up at Sacramento and at Washington. Insofar as such legislation affects engineers, let us deliberate and then take appropriate action, so far as our influence will permit.

Engineers need publicity. Our publicity committee is working valiantly, but could accomplish much more if the Chapter would adopt a more aggressive policy and do things possessing news value, and which the papers would print.

From time to time engineers are out of employment. An effective clearing house for employment may be maintained which will be of great benefit to individual members.

More effective liason should be maintained with other chapters, so that we may profit by their experience and have their co-operation in obtaining our objects.

The above are only a few matters which in my opinion might better claim the attention of the Chapter than the more general subjects heretofore introduced. Mr. Cousins has named several others which may well be taken up in order of importance.

I believe that the social side of membership should not be entirely overlooked—in fact "fostering a brotherly spirit among engineers" is one of the objects named in the Constitution. But in my mind the transaction of business is our prime object and other considerations should be kept properly subordinated. If the membership so desires, a dance, a smoker, lectures and other programs of a social or educational nature may very take place at special meetings from time to time, so as not to interfere with the more essential things. Let us keep in mind the objects for which the A. A. E. was organized. Let us "work while we work and play while we play."

S. C. WHIPPLE,
Irrigation Engineer.

## OAKDALE IRRIGATION DISTRICT SELECTS CONSULTING ENGINEER.

H. H. Wadsworth, United States army engineer, was employed by the Oakdale Irrigation District at a special meeting Saturday to go over the plans submitted by Chief Engineer Burton Smith on the Melones reservoir, and to prepare alternative plans. He is to be consulting engineer on reservoir construction, and is to offer criticism and suggestions both to the Oakdale board and the State Engineer.

## SAN JOAQUIN VALLEY PROTESTS AGAINST THE TAKING OF ANY MORE WATER.

A strong resolution against taking any more water from the Hetch Hetchy Valley for the use of the bay cities was passed at a meeting of officers of the San Joaquin Valley Water Conservation and Development Association, held in the city of Merced. This action was taken because members of the association had been "informed that the city of Berkeley, througgh the Mayor, City Council and representatives of various community clubs, are making an investigation and considering the Hetch Hetchy project" as a source of water supply.

## GREAT IRON INTERESTS AT MANILA COMBINE IN TEN MILLION PESO CORPORATION

One of the biggest business transactions that has taken place in Manila for many years is the union of the Honolulu Iron Works with the Earnshaws, according to information just received in the Bureau of Insular Affairs, War Department, Washington.

The Honolulu Iron Works Company has just paid 3,500,000 pesos for a half interest in the Earnshaw Shipways and Engineering Company. Later the two are to be made into one corporation with a capital of 10,000,000 pesos ($5,000,000.) They will go into marine engineering and the manufacture of machinery for sugar centrals.

## THE PHILIPPINES TIMBER INDUSTRY

The Japanese in Mindoro are interested in the timber industry in the barrio of Puerto Galera. They have found that the best timber grows there and are now spending large sums for the development of the industry, according to information received by the Bureau.

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES.

Plans Being Figured.
APARTMENTS, ETC. Cost, $——
HUNTINGTON BEACH, Orange Co., Cal.. NE Main St. and Ocean Ave. Avenue.
Two-story brick store and apartment building, 50x117.
Owner—Messrs. R. L. Obarr, D. W. Huston and John A. Baxter.
Architect—G. A. Howard Jr., 821 Story Bldg., Los Angeles.

Contract Awarded.
APARTMENTS Cost, $50,000
SAN FRANCISCO. NE Franklin and Olive Streets.
Four-story and basement brick (23) apartments.
Owner—Ralph Pincus, 77 O'Farrell St., San Francisco.
Architect—Wm. Beasley, 77 O'Farrell St., San Francisco.
Contractor—E. K. Nelson, 77 O'Farrell St., San Francisco.

Segregated Figures Being Taken.
ALTERATIONS Cost, $14,000
OAKLAND, Alameda Co., Cal. 14th St. near Market.
Alter two and three-story frame buildings into 12 apts. of 3 rooms.
Owner—Name Withheld.
Architects—Chester Miller and Carl Warnecke, Call Bldg., San Francisco, and Perry Bldg., Oakland.

Segregated Figures Being Taken.
APARTMENTS Cost, $70,000
OAKLAND, Alameda Co., Cal. Bellvue Avenue.
Three-story frame apartments (21 3 and 4-room apts.)
Owner—Withheld.
Architects—C. W. McCall and W. J. Wythe, Central Bank Bldg., Oakland.

Brick Work Contract Awarded.
ADDITION Cost, $60,000
SAN FRANCISCO. N McAllister Street Bet. Leavenworth and Hyde Sts.
Five-story and basement steel and concrete addition to apartment house (35 2-room apts). Argyle Apartments.
Owner—Edw. Rolkin.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
**Brick work** awarded to A. G. Reed, 180 Jessie St., for $10,828.

General Contract Awarded.
APARTMENTS Cost, $——
SAN FRANCISCO. W Hyde 87 N Geary
Three-story reinforced concrete apartment house (6 3-room apts.)
Owner—N. Rouda.
Architect—J. F. Dunn, Phelan Bldg., San Francisco.
Contractor—Richard Forbes, Monadnock Bldg., San Francisco

Sketches Being Prepared.
APARTMENTS Cost, $——
OAKLAND, Cal. Eighteenth Street near Kirkham.
Three-story frame apartment house (6 3-room apts.)
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

### BONDS.

ANDERSON, Shasta Co., Cal.—May 8th is the date set by the Directors of the Anderson-Cottonwood Irrigation District to vote bonds of $200,000 with which to finance the completion of the irrigation district and to adequately drain the system.

The amount in the estimate to be spent for drainage is near $38,000, and will include work along the ditch from Redding to Cottonwood. In the vicinity of Anderson close to $10,000 will be used. Fron Anderson to Cottonwood $8,000 will be required to adequately drain the system.

MARTINEZ, Contra Costa Co., Cal.—Bids will be received by J. H. Wells, County Clerk, up to April 5th for the purchase of the $20,000 bond issue of the Lafayette School District, proceeds of which will finance construction of a new school building.

SAN ANDREAS, Calaveras Co., Cal.—Steps are being taken to call an election to finance construction of a new grammar school, costing $6,000, and a new high school, estimated at $20,000.

BAKERSFIELD, Kern Co., Cal.—A bond issue of $850,000 will be submitted at the election on May 4 for the erection of a central memorial auditorium in Bakersfield and service halls in the towns of Maricopa, McKittrick, Kernville, Delano, Tehachapi, Taft and Fellows. The supervisors have alloted $750,000 for the central county auditorium and $15,000 each for the service halls. Tentative plans for the central auditorium, prepared by Architect Chas. H. Biggar of Bakersfield, provide for a building 200 feet square, to cost $560,000, an allowance of $170,000 being made for furnishings and equipment.

GERBER, Tehama Co., Cal.—Steps to make this town an incorporated city are being taken by the "Boost Body." After incorporation it is planned to call a bond election to finance street and lighting improvements, purchase of fire apparatus and public buildings.

Chas. Nickels is Secretary of the Boost Body.

PACIFIC GROVE, Monterey Co., Cal.—Bonds of $10,000 with which to purchase a motor fire engine were voted at a recent election.

SANGER, Fresno Co., Cal.—The $42,000 bond issue of the Sanger School District has been declared invalid and the Trustees will set a date for a new election in the near future.

Proceeds of the sale of the bonds will finance construction of a new school building.

SACRAMENTO, Cal.—State Forester G. M. Homans, at a recent meeting of the Roads Committee of the Chamber of Commerce, urged the calling of a bond election to secure $1,000,000 with which to finance a system of good roads throughout the county.

Homans advocated the appointment of a committee to prepare an estimate to be presented to the County Supervisors, providing a list of roads needing immediate attention in Sacramento County and asking for a bond issue to provide funds.

Harry W. Hall is County Clerk.

MODESTO, Stanislaus Co., Cal.—The Anglo-London-Paris National Bank of San Francisco has agreed to purchase the entire $6,000,000 bond issue of the Modesto and Turlock Irrigation Districts.

The offer has been taken under consideration until the directors of both boards attend a joint meeting.

SAN JOSE, Santa Clara Co., Cal.—Up to April 19th bids will be received by the County Supervisors, Henry A. Pfister, County Clerk, for the purchase of the $700,000 school bond issue of the San Jose City School District.

Proceeds of the sale will finance construction of new and alterations to existing schools.

NEVADA CITY, Nevada Co., Cal.—The Chamber of Commerce has presented a petition to the City Trustees, urging that an election be called to vote bonds of approximately $30,500 to finance the following improvements:

Concrete highway from the city limits to Broad street, to connect with the State Highway leading to Auburn, $7,500.

Highway connection from the State lateral leading to Downieville, $5,000.

Construction of bridges, $3,000.

Erection of new city hall, $10,000.

Purchase by the city of the Idaho ditch for city water system, $5,000.

Action on the petition will be taken at the next meeting.

Geo. H. Calanan is City Clerk.

NAPA, Napa Co., Cal.—The City Council is considering the proposition of submitting the question, at the May election, of levying a direct tax for street improvements. A bond election held some time ago for $150,000 to finance the work was defeated.

H. H. Thompson is City Clerk.

TULARE, Tulare Co., Cal.—April 29th is the date set to decide the question of issuing and selling bonds of $125,000 with which to finance construction of a Soldiers' and Sailors Memorial Auditorium. Petitions were presented the City Trustees asking that the election be called.

F. M. Eldridge is City Clerk

Architects W. C. Perry and G. B. Sturgeon, Newhall Bldg., San Francisco, have prepared the plans.

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OAKLAND, Cal.—Construction of a memorial building and museum, of library extensions and natatorium, the dredging of Lake Merritt and filling in of fifty-five acres for an airdrome and athletic field south of the Auditorium, installation of a high-pressure pipe line carrying clean salt water to Lake Merritt and the purchase of additional parks for the city of Oakland will require a bond issue of $3,981,000, according to an estimate made by Mayor John L. Davie's committee.

For the Adams Point Art Center, including a natural history museum and African Mammal Hall, a memorial hall and an art building, $1,900,000; for library extensions and improvements and the extension of the residential neighborhood parks, $300,000; for the dredging of Lake Merritt and the filling in of the land south of the auditorium, $168,000; for a high pressure salt water system from the Key Route pier, to be used for filling Lake Merrit and for an emergency fire main, $453,000; for a recreation center, including a natatorium, a school ground athletic field and a stadium, $175,000; for improvements to the present city parks system, $985,000.

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PALO ALTO, Santa Clara Co., Cal.—A site has been selected and steps will be taken by the City School Trustees to provide funds, under a boud issue, with which to erect a new elementary school building.

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MARYSVILLE, Yuba Co., Cal.—April 17th is the date set by the Cordua Irrigation District to decide the question of issuing and selling bonds of $192,000 with which to finance improvements in the District, work on a portion of which has already been started.

Warren Steel, Ellis Block, Marysville, is Secretary of the District.

## CHURCHES.

Contract Awarded.
TEMPLE Cost, $175,000
SPOKANE, Washingaon.
Three-story brick, stone and terra cotta Jewish Temple, 125x175.
Owner—Jewish Temple Congregation.
Architects—Whitehouse & Price, Hutton Bldg., Spokane, Wash.
Contractor—Alloway & Georg, Hutton Bldg., Spokane, Wash.

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Contract Awarded.
CHURCH Cost, $6,090
CHOWCHILLA, Madera Co., Cal.
First unit of brick church building (seating 200).
Owner—Chowchilla Catholic Church, Rev. J. J. Prendiville, Pastor, Chowchilla, Cal.
Architect—None Given.
Contractor—R. W. Brown, Madera.

Completing Plans. Ready for Figures in a Few Days.
CHURCH Cost, $8,000
ESCALON, San Joaquin Co., Cal.
One-story frame and plaster church.
Owner—Methodist Church Society of Escalon.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.

## FACTORIES AND WAREHOUSES.

Plans Being Prepared.
FOUNDRY, FACTORY, ETC. Cost, $100,000 or more.
SACRAMENTO, Cal.
Frame and galvanized iron buildings (brass foundry, spring factory and sawmill).
Owner—Southern Pacific Company.
Architect—Eng. Dept. of Owners, S. P. Bldg., San Francisco.

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PAINT SHOP Cost, $60,000
LOS ANGELES, Cal. S. P. Railroad Yards.
One-story brick building (Coast paint shop).
Owner—Southern Pacific Company.
Architect—Eng. Dept. of Owner, S. P. Bldg., San Francisco.
Bids are being taken by the San Francisco office for brick, steel, etc. Work is being done by the company's forces.

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Plans Being Prepared.
FREIGHT HOUSE Cost, $35,000
NOGALES, Arizona.
One-story reinforced concrete freight house, 50x200.
Owner—Southern Pacific Company.
Architect—Eng. Dept. of Owner, S. P. Bldg., San Francisco.
Figures will be taken in about a month for a general contract.

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Contract Awarded.
BUILDINGS Cost, $——
SANTA ROSA, Sonoma Co., Cal.
Two one and three-story reinforced concrete buildings.
Owner—California Packing Cptn., 101 California St., San Francisco.
Architect—Philip Bush, 101 California St., San Francisco.
Contractor—C. Christensen & Son, 565 16th St., Oakland.

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Contractors Ready for Grading Bids.
ADDITION Cost, $362,500
SAN FRANCISCO. Eighth and Brannan Streets.
One and four-story and basement reinforced concrete addition to present plant, 175x275.
Owner—National Carbon Co., Premises.
Engineer—Maurice Couchot, 110 Sutter St., San Francisco.
Contractor—Hannah Bros., 142 San-Some St., San Francisco.

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DURHAM, Butte Co., Cal.—More than $50,000 has been subscribed for the erection of an ice and cold storage plant.

All details of incorporation and construction are in the hands of a committee composed of George C. Kreutzer, Carl C. Nielsen and Frank E. Baxter, representing the Durham State Land Settlement; and Charles A. Cooley, George W. Jones and Edward A. Serviss, representing Durham.

Plans Being Prepared.
FREIGHT BLDGS. Cost, $3,000 each
IMPERIAL VALLEY. Calexico, Brawley and El Centro.
Three frame freight buildings.
Owner—Southern Pacific Company.
Architect—Eng. Dept. of Owner, S. P. Bldg., San Francisco.
Plans will be ready for figures shortly.

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Contract Awarded.
SHOP Cost, $5,000
SAN FRANCISCO. N Natoma 308-6 W First Street.
One-story brick shop, 75x102.
Owner—L. C. Dibert, 35 Minna St., San Francisco.
Architect—None.
Contractor—Thos. F. Mulcahy, 180 Jessie St., San Francisco.

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Construction May Start in About Three Weeks.
FACTORY Cost, $225,000 approximately
SACRAMENTO, Cal. Northern Part of Sacramento on 12th Street Road.
One and three-story reinforced concrete factory building, 160x508; three-story portion, 160x40.
Owner—Pacific Auto Rail Car Co., (A. Meister & Sons, 403 9th St., Sacramento).
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.
While plans have been completed for sometime and the owners state that construction will start in about three weeks, Mr. Hemmings has not received word to take figures. Mr. Westerfeld of Los Angeles is the Manager of the new incorporated company, which will be known as the "Pacific Auto Rail Car Company."

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SHOP Cost, $13,300
SAN FRANCISCO. N Broadway bet. Sansome and Battery.
One-story and basement concrete painting shop.
Owner—Higgins Estate (P. J. Fay, 1531 Union St., San Francisco.)
Architect—L. M. Weismann, 1958 Market St., San Francisco.
Contractor—Adam Arras, 110 Jessie St., San Francisco.

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Plans to be Prepared.
ENGINE HOUSE Cost, $40,000
INDIO, Riverside Co., Cal.
One-story reinforced concrete engine house.
Owner—Southern Pacific Company.
Architect—Engineering Dept. of Owner S. P. Bldg., San Francisco.
Bids Wanted for Materials.

## GARAGES.

Plans Prepared.
ALTERATIONS Cost, $8,000
SAN FRANCISCO. SW Eddy and Larkin Streets.
Alter for garage.
Trustee—Isabel Sprague. (Wm. A. Lange, 422 Montgomery St., Agent)
Architect—Frank Holland, Call Bldg., San Francisco.

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VISALIA, Tulare Co., Cal.—A. E. Brooks will erect a reinforced concrete garage, 66x124 feet, on South Locust street, which will be leased to O. E. Embree and Raymond Brooker, agents for Hudson and Essex cars.

Contract Awarded.
GARAGE Cost, $30,000
BAKERSFIELD, Kern Co., Cal. 24th and Chester Streets.
One-story reinforced concrete garage, 82x122.
Owner—Herbert G. Roberts, Bakersfield, Cal.
Architect and Contractor—C. E. Brown, Bakersfield, Cal.

## GOVERNMENT WORK & SUPPLIES.

The following bids were received at the bureau of yards and docks, Navy Department, Washington, D. C., March 3, under specification 4129, for lighting fixtures at the marine corps base, San Diego, Calif.:

Crocker Electric Co., 1270 Broadway, New York City, $11,800, 120 days.

Kayline Co., 312 High street, Cleveland, Ohio, $13,751.15, time specified.

Reading Chandelier Works, 503 Penn street, Reading, Pa., $9,876.

The following was the lowest of four bids received by the public works office, San Diego, for the same work:

Southern Electric Co., San Diego, Calif., $11,948, 250 days, alternate $9,994, 250 days.

WASHINGTON, D. C.—Bids will be received by the Purchasing Officer, The Panama Canal, up to April 15th, 10:30 A. M., for furnishing and delivering f. o. b. Balboa, Pacific Port, the following supplies under Circular No. 1355:

Valve oil, marine engine oil, stationary engine oil, locomotive engine oil, car oil, air-compressor cylinder oil, nonliquid oil or grease, yellow cup grease, black gear grease, and cotton waste.

WASHINGTON, D. C.—The following bids were received at the Panama Canal, Washington, D. C., March 17, under classes 26, 27 and 28, postponed from March 11.

Class 26, 8,000 ft. redwood; 27, 190,000 ft. lumber decking; 28, 20,000 ft. margin pieces lumber.

Bid 43, Acme Lumber Co., San Francisco, Calif., class 26, $1,118, shipment March 20, or April 6.

44, G. Elias & Bro., Buffalo, N. Y., class 26, $1,400, 90 days; 27, $36,100, 150 days; 28, $3,800, 150 days.

45, J. G. Rainwater, New Orleans, La., class 27, $205 M, 120 days.

46, Van Arsdale-Harris Lumber Co., San Francisco, Calif., class 26, $1,392; 90 days; 27, $34,010, 90 days; 28, $3,580, 90 days; f. o. b. San Francisco, deduct $35 M.

W. R. Grace & Co., Washington, D. C., class 27, $23,845, 90 days; 28, $2,720 90 days.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, Washington, D. C., has awarded a contract to the Crocker Electric Co., 1270 Broadway, New York City, for furnishing and installing lighting fixtures in six barrack buildings at the San Diego Naval base, as provided under Specification No. 4129. The bid was $11,800. Time for completion 120 days.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, for furnishing and delivering supplies under the following schedules (date of opening bids at end of each paragraph).

Schedule 5781, f. o. b. works, 50 parachute harnesses, opening April 2.

Schedule 5784, Mare Island, 1 rubber manufacturing machine, opening April 9.

Schedule 5785, for Puget Sound, 1,500 lbs. cotton twine, opening April 9.

Schedule 5823, f. o. b. works, 3,000 cellular copper grids, opening April 6.

Schedule 5835, f. o. b. works, 3 boring bars, opening April 6.

Schedule 5836, for Puget Sound, 1,800 gallons damar varnish, opening April 13.

SAN FRANCISCO — The following bids were received by the Engineer Office, U. S. Army, 240 Montgomery street, for dredging off part of point Dos Rios Island and vicinity near the mouth of the Sacramento River:

**San Francisco Bridge Co.**, Nevada Bank Building, San Francisco: Per cu. yd. with U. S. oil transportation, $6.45. For 6,000,000 cu. yds., $387,000. Per cu. yd. without U. S. oil transportation, $6.47; without U. S. oil transportation for 6,000,000 cu. yds., $388,200.

**United Dredging Co.**, 414 13th St., Oakland. Bids submitted on the latter two propositions, per cu. yd. without U. S. oil transportation, $6.68; for 6,000,000 cu. yds. without U. S. oil transportation, $400,800.

**Fred C. Franks Contracting Co.**, American National Bank Bldg., San Francisco. Bids submitted on first two propositions: Per cu. yd. with U. S. oil transportation, $9.89 for 6,000,000 cu. yds., $593,400; with U. S. oil transportation; with an alternative bid of $8.19 per cu. yd with oil transportation and $491,400 for 6,000,000 cu. yds. with oil transportation, contingent on building electric dredge.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, 422 Bell Street Terminal, Seattle, up to April 19th, 11 A. M., for furnishing and delivering under Circular No. 414: Oxygen and acetylene gas and welding supplies; car brasses, car wheels and axles, and coil springs, manila rope, stoves and parts, dripping pans, etc.; wrenches, files, bolts, nuts and screws, rubber hose; brooms; babbitt metal; packing; mild and tool steel; black pipe; and air brake equipment.

WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer, The Panama Canal, up to April 7th, 10:30 A. M., for furnishing and delivering the following materials under Circular No. 1356:

Panel boards, motor-generator set, switchboards, transformers, copper cable, lamp cord, copper wire, steel wire, steel conduit, marine boxes, pipe clamps, condulets, cut-outs, fuses, sockets, switches, portable fixtures, electric drills, canvas folding cots, steel lockers, mica, fiber bushings and washers, railway signal equipment and white lead.

WASHINGTON, D. C.—Following is a list of prospective bidders for kitchen equipment for six barrack buildings at the San Diego Naval Base, bids to be opened April 7th, under Specification No. 4097:

J. L. Shroger, 5660 W. Taylor street, Chicago, Ill.

Wrough Iron Range Co., St. Louis, Mo.

S. B. Sexton Stove Mfg. Co., 501 W. Conway street, Baltimore, Md.

Mansfield & Savage, 135 William St., New York City.

Lawrence Ellerbrook, Inc., 29 S. Frederick St., Baltimore, Md.

L. Barth & Son, 32 Coper Square, New York City.

John Hoos Co., 306 Hanover Street, Baltimore, Md.

The estimated cost is placed at $22,000.

Crane Co., Washington, D. C., is a prospective bidder for remodeling the old barracks building No. 53, at the Mare Island Navy Yard, bids for which will be opened March 31st, under Specification No. 4147. The estimated cost of the improvements is placed at $35,000.

WASHINGTON, D. C.—Among naval appropriations approved for the Pacific Coast is one of $175,000 for improvements at the Mare Island Navy Yard.

## HALLS AND SOCIETY BUILDINGS.

Plans to be Prepared.
ADDITION Cost, $25,000
MODESTO, Stanislaus Co., Cal. Tenth and F Streets
Two or three-story brick and steel addition to present labor temple, 80x50.
Owner—Modesto Labor Temple Ass'n., W. F. Hammersley, Business Agent Modesto.
Architect—Not Yet Selected.

ROSEVILLE, Placer Co., Cal.—With the sale of two lots at the corner of Vernon and Washington streets, to the local lodge of Masons, announcement was made by T. McCracken, Master of the local lodge, that a new Masonic Temple is to be erected at a cost of $75,000. Construction is to be started this Summer.

The lots are to be covered by a two-story fireproof structure. The lower floor will be designed for use as stores and the upper floor for lodge rooms and a banquet hall.

Plans Being Prepared.
CLUB BLDG. Cost, $60,000
SAN FRANCISCO. Stockton Street bet. Washington and Jackson Sts.
Four-story brick or reinforced concrete club building.
Owner—Chinese Native Sons of the Golden West.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

## HOSPITALS.

Completing Plans. Figures to be Called For in About a Month.
HOSPITAL Cost, $200,000
RENO, Nevada. Near Reno.
Two-story reinforced concrete hospital building.
Owner—State of Nevada.
Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.

Plans Being Figured. Bids Close April 6, 1920.
HOSPITAL Cost, $60,000
ELKO, Nevada.
Two-story brick Class "C" hospital.
Owner—Elko County.

Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.

Plans may be obtained from the architect's office or the County Clerk's office on a deposit of $10.00.

## HOTELS.

Contract Awarded.
HOTEL Cost, $50,000
VACAVILLE, Solano Co., Cal.
Hotel building, 40 rooms.
Owner—Vacaville Hotel Co., Vacaville, Calif.
Architect—None.
Contractor—S. E. Estes, Vallejo, Cal.

Plans Being Prepared.
ADDITIONS Cost, $——
PASADENA, Los Angeles Co., Cal. Huntington Hotel.
Hollow tile additions to hotel (addition of annex, 60 rooms and baths and addition of 50 rooms to service building.)
Owner—Huntington Hotel Co.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.

## POWER PLANTS.

Plans Being Figured. Bids Close Apr. 19, 1920, 10 A. M.
POWER HOUSE Cost, $2,500
LIVERMORE, Alameda Co., Cal. Arroyo Sanitarium near Livermore.
One-story frame and stucco power house.
Owner—Alameda County.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

PHOENIX, Ariz.—Louis Melczer, H. W. Hellman Bld., Los Angeles, formerly of Phoenix, is at the head of a power project which is designed to furnish electric current to Casa Grande and to operate pumps that will eventually irrigate 120,000 acres. The first unit of the plant will be located at Casa Grande and will have 5,000 h. p. capacity steam-generated with fuel oil. The project also contemplates absorption of the present Casa Grande municipal lighting plant.

## PUBLIC BUILDINGS

Plans Prepared.
AUDITORIUM. Cost, $——
REEDLEY, Fresno Co., Cal.
Fireproof Memorial Auditorium.
Owner—Reedley Post of American Legion.
Architect—Glass & Butner, Cory Bldg., Fresno, Hearst Bldg., San Francisco.

HOLLISTER, San Benito Co., Cal.—District Attorney Moore of San Benito County has been advised by U. S. Webb, Attorney General, that the county of San Benito can appropriate $40,000 of county funds to purchase a site and erect a memorial building for service men.

Elmer Dowdy is County Clerk.

OAKLAND, Cal.—Mayor John L. Davie is advocating a campaign to secure an appropriation from the Legislature next year to provide for a State Exposition Building in Oakland.

Letters are being sent to every county Board of Supervisors in the State asking support.

VALLEJO, Solano Co., Cal.—The construction of a new City Hall to be erected from plans prepared by C. E. Perry Jr., Architect of Vallejo, will not be considered until an adequate water supply system has been installed, according to a decision reached at the last meeting of the City Council.

Preparations are now being made to call an election to secure funds with which to finance the proposed water system.

Plans Being Figured. Bids Close May 5, 1920, 2 P. M.
COURT HOUSE Cost, $75,000
LOVELOCK, Nevada.
Two-story brick Class "C" Court House
Owner—Pershing County.
Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.

Plans may be obtained from the architect's office or from the County Clerk on a deposit of $10.00.

## RESIDENCES.

Being Done by Days Work.
ADDITION Cost, $15,000
ROSS, Marin Co., Cal.
Addition to two-story frame residence.
Owner—M. A. Palmer.
Architect— C. A. Muessdorffer, Humboldt Bank Bldg., San Francisco.

Contract Awarded.
DWELLING & GARAGE
Cost, Dwelling, $8,000; garage, $400
SAN FRANCISCO. N Urbano Drive 360 W Victoria Street.
One and one-half-story and basement frame dwelling and 1-story frame garage.
Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco
Architect—Harold G. Stoner.
Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.

Sub-Figures Being Taken. To be Done by Days Work.
RESIDENCE Cost, $20,000
PALO ALTO, Santa Clara Co., Cal.
Two-story frame residence (8 rooms and two bathrooms and separate garage with living rooms.)
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $3,500
PACIFIC GROVE, Monterey Co., Cal. Pacific Grove Acres.
One-story and basement frame residence (5 rooms).
Owner—Mrs. Snell, 575 East Julian St., San Jose, Calif.
Architect—Paul V. Tuttle and Arthur W. Angel, associated, 565 Lighthouse Ave., Pacific Grove, Cal.
Contractor—Del Monte Properties Co., Pacific Grove, Cal.
Foundation concrete, composition roof, Tay plumbing fixtures.

Plans Being Prepared.
RESIDENCE. Cost, $3500
PACIFIC GROVE, Monterey Co., Cal.
One-story frame residence (5 rooms).
Owner—C. E. Baker, Pacific Grove, Cal.
Architect—Arthur W. Angel and Paul V. Tuttle, associated, 565 Lighthouse Ave., Pacific Grove.
Concrete foundation, composition roof, rustic exterior, Tay plumbing fixtures.

Plans Being Prepared.
RESIDENCE Cost, $12,000
PACIFIC GROVE, Monterey Co., Cal.
Two-story frame residence (10 rooms, 2 baths.)
Owner—Mrs. Kays, Pacific Grove, Cal.
Architect—Paul V. Tuttle and Arthur W. Angel, associated, 565 Lighthouse Ave., Pacific Grove, Cal.
Concrete foundations, composition roof, Klingstone exterior, hot air (furnace) heat, Tay plumbing fixtures.

Plans Being Figured.
RESIDENCE Cost, $15,000
BERKELEY, Alameda Co., Cal. Spruce Street N of Los Angeles.
Two-story and basement frame and plaster residence (10 rooms and 2 bathrooms).
Owner—Wm. Jackson Eardley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Contract Awarded.
RESIDENCE Cost, $65,000
LOS ANGELES, Cal. Windsor Square.
Two-story and attic brick and frame residence (12 rooms and 4 bathrooms).
Owner—Mrs. Grace E. Pattison.
Architect & Contractor—The Milwaukee Bldg. Co., 317 Wright & Callender Bldg., Los Angeles.

Contract Awarded.
RESIDENCE & GARAGE Cost, $30,000
SANTA MONICA, Los Angeles Co., Cal.
Two-story frame residence and garage.
Owner—E. C. Harwood.
Architect & Contractor—Milwaukee Bldg. Co., 317 Wright & Callender Bldg., Los Angeles.

Plans Being Figured.
RESIDENCE Cost, $10,000
PIEDMONT, Alameda Co., Cal. Nova Drive, Piedmont.
One and two-story frame and plaster residence (8 rooms).
Owner—Rossiter Mikel, 40 Fairview, Oakland.
Architect—W. E. Milwain, Albany Bldg., Oakland.

Plans Being Prepared. Ready for Figures in About Ten Days.
BUNGALOWS Cost, $2,500 each
OAKLAND, Alameda Co., Cal. East Oakland.
Forty-six one-story frame bungalows.
Owner—East Oakland Securities Co.
Architect—John Hudson Thomas, 1st National Bk. Bldg., San Francisco.

Plans Being Figured.
RESIDENCE Cost, $15,000
SAN FRANCISCO. Filbert Street Bet. Divisadero and Broderick Streets.
Three-story and basement frame and plaster residence (9 rooms).
Owner—Geo. Habenicht.
Archotect—Earle B. Bertz, Foxcroft Bldg., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
RESIDENCE Cost, $22,000
LOS ANGELES, Cal. Lorriane Blvd., Bet. Third and Fourth Streets.
Two-story hollow tile residence and garage (11 rooms and 5 bathrooms)
Owner—Mrs. Warner.
Architect & Contractor—H. H. Whiteley, 429 Story Bldg., Los Angeles.

Contract Awarded.
RESIDENCE Cost, $15,000
SAN FRANCISCO, S Jackson St. 70 E Locust St.
Two-story and basement frame residence.
Owner—Mrs. Sophie Grannis, 2450 Steiner St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Contractor—Fred R. Grannis, 2450 Steiner St., San Francisco.

## SCHOOLS.

SEBASTOPOL, Sonoma Co., Cal.—The following bids were received March 26th by the Trustees of the Sebastopol Union High School District for the construction of a one-story frame and plaster Memorial gymnasium and auditorium building from plans prepared by Architect W. H. Weeks, 75 Post street, San Francisco.

Bids were taken under advisement unutil March 31st.

**Excavating, Concrete, Carpenter Work, Etc.**
R. W. Moller, Call Bldg., S. F...$32,542
**Roofing.**
Fibreatone & Roofing Co., S. F.....$775
J. W. Bender Roofing Co., S. F..... 784
**Plumbing.**
Hugh Long, Sacramento.....$2,424
Carl T. Doell, Oakland..... 2,105
**Electrical Work.**
Watts Electric Co., S. F.....$2,628
**Plastering.**
A. Knowles, San Francisco.....$5,740
**Painting.**
R. Zelinsky, San Francisco.....$2,885
Sebastopol Painting Co., Sebastopol ..... 1,250
**Brick Work.**
R. W. Moller, San Francisco ....$495

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Completing Plans. Ready for Figures Shortly.
ADDITION Cost, $——
SANTA ANA, Orange Co., Cal.
Reinforced concrete addition to administration building, hollow tile gymnasium and frame shop bldg.
Owner—Santa Ana High School District.
Architect—Norman F. Marsh, 210 Broadway Central Bldg., Los Angeles.

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Plans Being Figured. Bids Close April 12th, 7 P. M.
SCHOOL Cost, $——
HUGHSON, Stanislaus Co., Cal.
Two-story brick high school.
Owner—Hughson Union High School District. C. H. Edison, Clerk, Hughson, Cal.
Architects—Davis, Heller, Pierce Co., Belding Bldg., Stockton.

Segregated bids will be taken as follows:

1. Excavating and grading; 2. concrete work; 3, brick work; 4, plastering; 5, carpentry; 6, roofing; 7, plumbing and sheet metal; 8, heating; 9, electric wiring; 10, painting; 11, electric clock system.

Any contractor, if he so desires, may combine into a single lump sum bid, the following branches of the construction:

A, Concrete work, brick work, plastering and carpentry.

B, Plumbing and sheet metal, and heating.

Certified check of 10% payable to Clerk of Board of Trustees required.

Plans Being Figured. Bids Close Apr. 12th, 2 P. M
SCHOOL Cost, $——
FLORIN, Sacramento Co., Cal. About 5 miles southeast of Florin.
One-story frame school.
Owner—Reese School District. H M Adams, Clerk.
Architect—R. A. Herold, Forum Bldg., Sacramento.

Certified check for 10% payable to Clerk of the District must accompany each bid.

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Plans Complete. Ready for Figures Shortly.
GYMNASIUM Cost, $50,000
LOS ANGELES, Cal. Jefferson School Site.
Two-story brick gymnasium building, 125x100.
Owner—City of Los Angeles.
Architects—Norman F. Marsh and Herbet C. Howard, Associated, Broadway Central Bldg., Los Angeles.

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Plansae Being Figured. Bids Close April 13, 1920, at 4 P. M.
SCHOOL Cost, $200,000
BERKELEY, Alameda Co., Cal. Prince, King, Ashby and Ellis (Lincoln School).
Two-story brick and concrete school (23 rooms and auditorium).
Owner—City of Berkeley.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Supervising Architect—W. C. Hays, 1st National Bk. Bldg., San Francisco.

Plans may be obtained from the office of Mr. Hays, First National Bank Bldg., San Francisco, or from the Clerk of the School Board at Berkeley on a deposit of $10.00.

Segregated bids are being taken as follows:

Excavation and concrete.
Carpentor work.
Structural iron.
Masonry.
Lathing and plastering.
Roofing and sheet metal.
Plumbing.
Electric work.
Painting.
Shades.
Linoleum.
Heating.

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SALINAS, Monterey Co., Cal.—McLeran & Peterson, Sharon Bldg., San Francisco, were awarded the contract for the construction of the one and two-story reinforced concrete high school building to be erected for Salinas Union High School District from plans prepared by Architect Ralph Wyckoff of Salinas. The bid was $235,400. Owing to lack of funds the auditorium and gymnasium will be omitted. However, in order to carry out the original plans the Trustees will call an election to vote bonds of $150,000 to finance this section of the structure.

Bids for the plumbing, heating and ventilating have been taken under advisement. Awards on this portion of the work will be made in the near future.

Following is a complete list of the bids received:

**General Contract.**

**Clinton Constr. Co., 140 Townsend St., San Francisco,** (a) $241,500; (b) $239,600; (c) $116,400; (d) $38,700; (e) $5,400.

**McLeran & Peterson, Hearst Bldg., San Francisco** (low) (a) $236,600; (b) $235,400; (c) $110,000; (d) $36,900; (e) $4,000.

**K. E. Parker, San Francisco** (a) $247,000; (b) $246,200; (c) $113,000; (d) $39,800; (e) $5,100.

**Plumbing**

**Anderson & Dougherty, Salinas** (low) (1) $12,415; (3) $9,210; (4) $5,590.

**Carl T. Doell, Oakland** (1) $13,773; (2) $10,402; (4) $5,925.

**James & Drucker, San Francisco** (1) $12,400; (3) $9,450; (4) $10,500.

**A. Lettich, San Francisco** (1) $17,333; (3) $13,721; (4) $13,550.

**Scott Co., San Francisco** (1) $12,989; (3) $9,689; (4) $9,757.

**Heating and Ventilating.**

**Anderson & Dougherty, Salinas** (a) $27,356; (b) $27,869; (c) $27,146; (d) $25,353; (e) $19,751; (f) $18,282.

**A. Lettich, San Francisco** (a) $27,896; (b) $28,096; (c) $26,886; (d) $26,376; (e) $17,264; (f) $14,073.

**W. K. Nottingham, Oakland** (a) $26,833; (b) $26,999; (c) $25,867; (d) $25,167; (e) $17,333; (f) $15,666.

**Scott Co., San Francisco** (a) $26,040; (b) $26,420; (c) $25,120; (d) $24,460; (e) $17,560; (f) $13,260.

**C. Drucker, San Francisco** (a) $27,800; (b) $28,050; (c) $26,800; (d) $26,300; (e) $17,200; (f) $11,880.

**Carl T. Doell, Oakland** (a) $26,820; (b) $27,109; (c) $27,757; (d) $25,225; (e) $16,686; (f) $12,589.

**J. Nelson, San Francisco** (a) $28,383; (b) $29,583; (c) $27,493; (d) $26,858; (e) $19,183; (f) $12,500.

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MODESTO, Stanislaus Co., Cal.—McLeran & Peterson, Hearst Bldg., San Francisco, submitted the lowest bid to the Modesto City School Board and will probably be awarded the contract for the additions and alterations to the Departmental School on 12th, L, 13th and M streets. The bid was $112,995.

The Turner Hardware & Implement Co. of Modesto submitted the low bid for electric work, $10,249; heating and ventilating by Hoffman & Rhien, Modesto, $12,970, and plumbing by W. H. Graham of Oakland at $6,250.

Plans for the work were prepared by Architect John J. Donovan, 414 13th St., Oakland.

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Plans Being Prepared.
SCHOOL Cost, $60,000
COMPTON, Los Angeles Co., Cal.
One-story 8-room hollow tile grade school, 228x100.
Owner—Compton School District.
Architect—Arthur W. Angel, 3339 Princeton Ave., Los Angeles.

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Contract Awarded.
ADDITION Cost, $131,943
LONG BEACH, Los Angeles Co., Cal.
Two-story brick addition to high school.
Owner—City of Long Beach.
Architects—John C. Austin, 1125 Baker-Detwiler Bldg., and W. Horace Austin, Long Beach, Associate.
Contractor—J. W. Davison, 361 Walnut St., Long Beach.

The plumbing contract was awardeo to J. Hokom at $5,176 for roughing-in only; electric wiring to F. E. Newbery Co. at $2,279, and program clocks to Standard Electric Time Co. The bid of Cole Manufacturing Co. on heating was held under advisement.

All painting bids were rejected.

Plans Being Prepared.
ADDITION Cost, $75,000
OLIG, Kern Co., Cal. Olig School District.
Addition to school new classrooms, an auditorium and teacherage.
Owner—Olig School District.
Architect—Thos. B. Wiseman, Bakersfield, Cal.

Plans Being Prepared.
SCHOOL Cost, $175,000
ANAHEIM, Orange Co., Cal.
Three hollow tile school buildings (auditorium, 90x120; gymnasium and domestic science buildings.)
Owner—Anaheim High School District.
Architects—Jeffery & Schaefer, 1106 Kerckhoff Bldg., Los Angeles.

Plans Being Prepared.
ADDITION Cost, $100,000
FELLOWS, Kern Co., Cal.
Addition to school (4 classrooms, manual training and domestic science buildings).
Owner—Midway School District.
Architect—Thos. B. Wiseman, Bakersfield, Cal.

Plans Being Prepared. Ready for Figures in about two weeks.
SCHOOL Cost, $25,000
ROSS, Marin Co., Cal.
One-story frame school, six rooms.
Owner—Ross School District.
Architect—C. A. Muessdorffer, Humboldt Bank Bldg., San Francisco.

Plans Being Figured. Bids Close Apr. 9, 1920, at 2 P. M.
SCHOOL Cost, $——
TEMPLETON, San Luis Obispo Co., Cal. Templeton School District.
One-story frame and stucco grammar school.
Owner—Templeton School District.
Architect—None.
Plans may be obtained from M. F. Gates, Clerk of the Board, at Templeton on a deposit of $3.00.

Plans Being Figured. Bids Close Apr. 7, 1920, at 3 P. M.
SCHOOL Cost, $80,000
SAN FRANCISCO. Harrison St. Bet. 10th and 11th Streets.
Two-story brick and concrete (10 room) school.
Owner—City and County of San Francisco.
Architect—John Reid Jr., 1st Nat'l. Bk. Bldg., San Francisco.

Plans Being Figured. Bids Clase Apr. 5, 1929, at 11 A. M.
SCHOOL Cost, $——
OILDALE, Kern Co., Cal.
Fireproof high school buildings.
Owner—Standard School District. (C. Bahrenburg and Geo. Brown, Trustees).
Architect—Orville Clark, 415 Brower Bldg., Bakersfield.
Bids will be taken at the same time for opera seats for auditorium, furnishings and equipment for domestic science and manual training departments, windows and stage draperies and Venetian blinds.

Contract Awarded.
SCHOOL BLDG. Cost, $235,400
SALINAS, Monterey Co., Cal.
One and two-story reinforced concrete school building.
Owner—Salinas Union High School District.
Architects—Ralph Wyckoff and H. C. White, 328½ Main St., Salinas.
Contractor—McLeran & Peterson, Hearst Bldg., San Francisco.
NOTE:—The contract was awarded on proposition "B" omitting the gymnasium and auditorium.
A bond election for $150,000 will be voted to complete the building.
The plumbing, heating and ventilating bids are still under advisement.

Plans Being Prepared.
ALTERATIONS, ETC. Cost, $——
OAKLAND, Alameda Co., Cal. Piedmonth, Fruitvale, Manzanita, Lafayette, Melrose, Dewey, Highland, Santa Fe, Hawthorne, Prescott, Tompkins, Lazear, Garfield and various other schools.
Extensive alterations and additions to aproximately 40 schools.
Owner—City of Oakland.
Architect—Building Construction Dept. of Oakland Board of Education (C. W. Dickey, Supervising Architect, and Martin Campbell, Chief of Construction), 357 12th St., Oakland.
The Board of Education has ordered plans prepared for these alterations and additions in the office of the Building Construction Dept., so that work may be completed during the vacation period.
Architects will be selected within a month or two to prepare plans for the new school building, which will be erected under the recent $5,000,000 bond issue.

Plans Being Figured. Bids Close April 12, 1920.
SCHOOL Cost, $——
CASA GRANDE, Pinal Co., Arizona.
Brick, concrete and frame school.
Owner—Casa Grande Union High School District.
Architects—Lyman & Place, Room 4, Goldbaum Bldg., Tuscon, Ariz.
Plans may be obtained from the architects on a deposit of $10.
Bids will be taken separately for the general contract and for plumbing, heating and electrical work.

## STORES AND OFFICES.

SAN FRANCISCO, Cal. — Arnold Davidow, 110 Sutter street, has purchased the property at the northeast corner of Market and Front streets and will erect a large office building when the price of building materials drop. The present two-story building on the site will be remodeled.

Plans Being Prepared.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. E Van Ness Avenue about 90 feet N of Eddy Street.
One-story and basement reinforced concrete auto sales building, 37½x109.
Owner—Withheld.
Architect—August G. Headman, Call Bldg., San Francisco.

Contract Awarded.
ALTERATIONS Cost, $——
Alterations and additions to two-story brick garage, auto sales rooms and apartments.
Owner—Klemmer Bros., Willows, Cal.
Architect—Not Given.
Contractor—W. R. Zumwalt, Willows.

Plans to be Prepared.
TELEPHONE EXCHANGE
Cost, $250,000 or more.
MODESTO, Stanislaus Co., Cal.
Class "A" telephone exchange building.
Owner—Pacific Tel. & Tel. Co.
Engineer—E. V. Cobby, 333 Grant Ave., San Francisco.
NOTE—Mr. Cobby stated that plans have not been started as yet and how soon the building would be erected has not been decided.

Plans Being Figured.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. E Van Ness Ave 67-6 N Eddy Street.
One-story, basement and mezzanine reinforced concrete auto sales building, 25x109.
Owner—Jacob Macowsky.
Architect—August Headman, Call Bldg. San Francisco.

Sub-Figures Being Taken.
STORES Cost, $30,000
SAN FRANCISCO. NW Post and Ophir Streets.
One-story and basement and mezzanine Class "C" stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Ready for Segregated Figures March 29th.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. W Van Ness Ave 40 N Eddy Street.
One-story and mezzanine reinforced concrete auto sales building, 40x109
Owner—Mary A. Ruggles.
Architect—August Headman, Call Bldg. San Francisco.

Preliminary Plans Being Prepared.
STORE AND LOFT BUILDING
Cost, $300,000 approximately.
SAN FRANCISCO. NE First and Mission Street.
Five-story and basement reinforced concrete store and loft building.
Owner—C. C. Moore & Co., Sheldon Bldg., San Francisco.
Architect—Frederick H. Meyer, 742 Market St., San Francisco.
The construction of the building depends on the signing of leases, which is expected to be decided in about two weeks.

Plans Approved. Figures to be Taken in Two Weeks.
OFFICE BLDG. Cost, $700,000
SAN FRANCISCO. SW Bush and Montgomery Streets.
Fifteen-story Class "A" office building.
Owner—Crocker Estate.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Contract Awarded.
AUTO SALES BLDG. Cost, $20,000
WILLOWS, Glenn Co., Cal. West Sycamore Street.
One-story reinforced concrete auto sales building.
Owner—Mr. Crone.
Architect—O. A. Deichmann, Barceloux Bldg., Willows, Cal.
Contractor—A. Lynch, Willows, Cal.

## THEATRES.

Plans to be Prepared.
ALTERATIONS Cost, $18,000
DUNSMUIR, Siskiyou Co., Cal.
Alterations and additions and changes in Wagoner Building for theatre.
Owner—The Webster Amusement Co., Dunsmuir, Cal.
Architect—Not Yet Selected.

THEATRE Cost, $100,000
SAN FRANCISCO. NW Eighth Avenue and Irving Street.
Reinforced concrete store and motion picture theatre building (1500 seats).
Owner—Patrick Biggins, 2165 San Bruno Ave., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.

Segregated Figures Being Taken.
THEATRE, OFFICE AND STORES Cost, $100,000.
SALINAS, Monterey Co., Cal.
Two-story reinforced concrete theatre, offices and (2) stores.
Owner—Brown Bros., Salinas.
Lessee—Turner & Dahnken, San Francisco.
Architect—A. W. Cornelius, Merchants National Bk. Bldg., San Francisco.

# ENGINEERING

## BRIDGES, DAMS AND HARBOR WORK.

SAN FRANCOSCO.—The Board of State Harbor Commissioners opened bids on March 22nd for dredging Islais Street Channel in San Francisco and received the following two bids. The contract was awarded to the San Francisco Bridge Co., Nevada Bank Bldg., at approximately $22,000.

American Dredging Co., .0898 per cu. yd.

San Francisco Bridge Co., .072 per cu. yd.

VISALIA, Tulare Co., Cal.—E. G. Noble, Visalia, has been awarded a contract by the County Supervisors for the construction of the Kingsburg bridge, located between Dinuba and Kingsburg. The cost of construction is approximately $60,000. Unit prices follow:

Class A concrete, $16.70 per cu. yd.; class B concrete, including all excavating, $16.70 per cu. yd.; driving piles (34 to 42 inclusive) $12 per pile; driving piles (1 to 33 inclusive) $10 per pile; wrecking of present structure, $475.

TULARE, Tulare Co., Cal.—George B. Sturgeon, Engineer, 260 California St., San Francisco, has completed plans for the South Tule Inudependent Ditch Company of Tulare for a dam across the South Tule Independent Ditch reservoir for the impounding of waters. The dam will be of the cyclopean type, of concrete construction, about 450 feet in length at the top and 200 feet on the bottom and from 40 to 50 feet high.

It is expected that work will be started April 1st.

MODESTO, Stanislaus Co., Cal.—The Modesto Irrigation District has voted to employ John Francis Neylan of San Francisco to represent the district in an attempt to get together with the Turlock Irrigation District on the arrangements for building Don Pedro dam.

It is expected with the assistance of Neylan a plan will be laid out which will enable the districts to proceed without delay in having the work under construction.

Percy Jones is Chief Engineer of the Modesto District.

SAN DIEGO, San Diego Co., Cal.—Gust Breeland has been awarded the contract for the completion of the La Costa and Agua Hedionda bridges at the same prices, $25,925 for the former, and $19,496 for the latter, at which contracts were originally awarded to deWaard Bros. Differences of opinion between the Supervisors and contractors led to the cancellation of the original contracts.

SAN BARBARA, Cal.—Residents of Montecito are now considering a project to organize the entire Montecito Valley and develop an independent water supply. This would necessitate driving a tunnel through the mountains to the Santa Ynez River where an impounding dam would be constructed.

MONTEREY, Monterey Co., Cal.—Fred H. Tibbitts, Engineer, Alaska Commercial Bldg., San Francisco, has presenter plans and specifications to the Monterey City Council for the improvement of the inner harbor. From present indications the plans are satisfactory and it is expected that a bond election will be called in the near future.

Archie Kay is City Clerk of Monterey

SAN JOSE, Santa Clara Co., Cal.—The Supervisors have instructed the County Engineer to prepare plans and specifications for a reinforced concrete bridge over Campbell Creek on the Agnew Road.

Henry A. Pfister is County Clerk.

OAKLAND, Cal.—The Merchants' Exchange of Oakland has adopted resolutions urging the City Council to provide for the opening of Twelfth avenue to the waterfront and the construction of a big wharf at the foot of the avenue.

QUINCY, Plumas Co., Cal.—Bids submitted to the Board of Supervisors of Plumas County for the construction of concrete bridges in Jesky Lane have been rejected. But two bids were submitted.

Forrest R. Young is County Clerk.

RED BLUFF, Tehama Co., Cal.—Up to April 19th, 10 A. M., bids will be received by H. G. Kuhn, County Clerk, for remodeling the bridge across Coyote creek, on the route of the west side state highway, in Supervisor District No. 2.

Bids will be opened on the same date for the construction of a concrete bridge on the Henleyville Paskenta road.

Certified check of 10% payable to Chairman of the Board of Supervisors required.

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

EUREKA, Humboldt Co., Cal.—Plans and specifications for the concrete bridge to be constructed across the Elk River have been forwarded to the State Highway Commission for approval by the County Supervisors.

Fred M. Kay is County Clerk.

SAFFORD, Ariz.—H. F. Olmsted of Phoenix, consulting engineer, has been retained by the water users of the Upper Gila Volley in the Safford District to make surveys and estimates of cost for constructing a concrete dam in the box canyon above Solomonville. A site above the Brown dam has been tentatively selected. The proposed dam according to tentative estimates will cost about $1,250,000. The construction of canal to irrigate all available lands and a power plant near the head of the San Jose canal would bring the total cost of the project up to approximately $5,000,000.

CARSON CITY, Nevada—The Nevada State Highway Commission, C. C. Cottrell Engineer, has awarded a contract to the Missouri Bridge & Iron Company for furnishing and delivering structural steel for the Virgin River bridge in Clark County, Route 6, Section G, of the Nevada State Highway System, the bid being $13,528, delivery f. o. b. St. Thomas on or before June 30th. Approximately 190,000 lbs. of steel will be required. The engineer's estimate was $14,250. Other bids were:

**Clinton Bridge Works,** $15,960 f. o. b. St. Thomas on or before July 15th; $15,010 f. o. b. St. Thomas on or before Sept. 20th.

**California Steel Co.,** $20,900 f. o. b. St. Thomas on or before July 1st.

**James J. Burk & Son,** $13,775 on or before 6 weeks from date of order and $13,062 with no promise, based on mill delivery of material.

**Minneapolis Steel & Machinery Co.,** $14,592 to ship on or before 9 weeks

from date of contract, and $13.167 to ship on or before 17 weeks from date of contract.

RED BLUFF, Tehama Co., Cal.—It is probable that at the April session of the County Supervisors plans for the construction of a bridge over Thomas Creek near Richfield will be approved and bids ordered received. It is estimated the structure will cost $87,000.

H. G. Kuhn is County Clerk.

## IRRIGATION PROJECTS

OROVILLE, Butte Co., Cal.—Surveys have been completed in the newly formed Drainage District No. 2, operating over 8,000 acres in southern Butte County, and a report compiled by J. J. McLain and E. Grell, acting for the district, will be presented the County Supervisors at their next meeting. It is estimated that the system planned will cost $36,663.76.

Attorney J. D. Peters, Bank of Butte County Bldg., Chico, is handling the affairs of the district.

VALLEJO, Solano Co., Cal.—John Daniel, of the Daniel Construction Co., 503 Market street, San Francisco, has purchased from the Vallejo Land and Improvement Co. Tideland Survey No. 25, comprising 63.42 acres. Henry Nicholas Lange, also a San Francisco contractor, is interested in the deal.

The company plans extensive improvements on the property, but refuse to divulge information at this time.

WILLIAMS, Colusa Co., Cal—Construction of an irrigation ditch six miles long that will furnish water to 7,000 acres of rice land being farmed by the Esperanza Land Company and I. G. Zumwalt, lying between Williams and Colusa, has begun. The work, which is in charge of Bert Anderson, will involve an outlay of $40,000.

OROVILLE, Butte Co., Cal.—John C. Fales, now with the State Reclamation Board, has been appointed District Engineer of the Oroville-Wyandotte Irrigation District, by Chief Engineer S. J. Norris, who announces that work on the project will be started in the near future.

## LIGHTING SYSTEMS

SAN BERNARDINO, Cal.—Until 7:30 P. M., April 5, bids will be received by City Clerk J. H. Osborn, for constructing an ornamental lighting system on Third street, between Arrowhead and Vernon avenues. The work will require 118 Marbelite posts and 2½ miles of wiring. Work will be done under Improvement Act of 1911.

BURLINGAME, San Mateo Co., Cal.—The Roberts Manufacturing Co., 663 Mission street, San Francisco, submitted the only bid to the City Trustees for the intallation of electroliers in Main street. The bid was $100 per standard for single light—two styles with 3 lights each for $146.25 and $151 respectively. Action was laid over until the sentiment of property owners was considered.

J. B. Murphy is City Clerk.

WOODLAND, Yolo Co., Cal.—The City Council has instructed J. H. Laugenour, City Clerk, to call bids for the installation of electroliers the full length of Main street, from the west side of East street to the east side of West street. It is probable that bids will be opened April 19th.

PETALUMA, Sonoma Co., Cal.—The City Council has approved plans and specifications for the installation of an electrolier system in Main street from C to Prospect.

Lyman Green is City Clerk.

MANTECA, San Joaquin Co., Cal.—Specifications for the proposed lighting system have been presented to the City Trustees for approval.

It is probable that a call for bids will be issued within the next few weeks.

## MACHINERY.

SAUSALITO, Marin Co., Cal.—F. D. Linsley, Clerk of the Tamalpais High School Board, Sausalito, will receive bids up to April 5th, 8 P. M., for furnishing and delivering to the high school certain machinery, a list of which may be had upon aplication.

SAN DIEGO, Cal.—City Purchasing Agent E. D. Williams has asked the Council for authority to purchase without advertising drilling machine, concrete spouting equipment, skip carts, conveyor parts, rock screen, cableway repair parts, wire rope and miscellaneous machinery to cost $14,778 for use on the Barrett dam.

MADERA, Madera Co., Cal.—Up to 8 P. M., April 5th, bids will be received by Geo. M. Shedd, Clerk of the Madera Union High School District for furnishing and delivering two Wayne school cars, catalogue No. 000068, equipped with Pierce speed governor, painted Brewster Green with the words Madera Union High School painted on the side, equipped with pneumatic tires 5x35 inches. Price f. o. b. Madera. Delivered not later than September 1, 1920.

One Wayne school car body only, same as on car No. 000068, painted Brewster Green with the words Madera Union High School painted on the side. Price f. o. b. Madera.

One Ford touring car without self starter.

FRESNO, Fresno Co., Cal.—The Supervisors of Fresno County have instructed County Engineer Chris. Jensen to secure prices on necessary equipment and to submit estimates on the cost of constructing county highways by force account. The county engineer stated he believed sufficient equipment could be secured for about $30,000.

SAN DIEGO, San Diego Co., Cal.—A petition to the Board of Supervisors for the formation of the San Luis Rey Irrigation District is being circulated. About 40,000 acres extending from the head waters of the San Luis Rey River to Oceanside will be included in the district. It is proposed to purchase the water system of the Volcan Water Co. and the Henshaw-Fletcher system and to place the water on these lands.

ONTARIO, San Bernardino Co., Cal.—Bonds to amount of $40,000 to sink another well and install pumping equipment at the Fourth Street pumping plant, carried at a special election. A bond issue of $16,000 to purchase a 90-acre tract for water development was also voted.

OAKLAND, Cal.—The City Council has passed an ordinance authorizing the expenditure of $1,690.68 with which to purchase for the Department of Streets three wheels for a steam roller.

L. W. Cummings is City Clerk.

## SEWERS, STREET WORK & WATER SYSTEMS

REDWOOD CITY, San Mateo Co., Cal.—The Redwood Highlands Company has awarded a contract to Hutchinson Co., Inc., 444 17th St., Oakland, for the paving of streets in the Redwood Highlands District. The bid was $54,000 and includes the paving of Arch, Birch, Clinton, Fulton, Grand, Hudson and Iris streets. Oil macadam pavement with curbs and gutters is provided for. The work will be done under the Supervision of City Engineer C. L. Dimitt and Superintendent of Streets Ed Dearborn of Redwood City.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by A. L. Banks, City Clerk, up to April 6th, 10:30 A. M., for placing a two inch asphaltic wearing surface upon concrete floor space under steel shed on the north side of Stockton channel between El Dorado and Center streets.

Certified check of 10% payable to City Clerk required.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, Clerk, has passed resolution of intention No. 1480 providing for the improvement of the alley between L and M street, between 5th and 6th streets, by the construction of a concrete catchbasin with cast iron curb and cover and connecting same with 6-inch vitrified ironstone sewer, grading and constrution of an asphaltic concrete pavement 5½ inches thick.

STOCKTON, San Joaquin Co., Cal.—The City Council, A. L. Banks, City Clerk, has passed resolution of intention No. 642 providing for the improvement of Rose street from Edison street to Yosemite street, and Edison street from North street to the south boundary of Lomita Park, by grading, constructing concrete curbs and gutters, sidewalks and paving with oil macadam with a 4" cement gravel base and a wearing surface of crushed rock and asphaltic road oil 2" thick.

SACRAMENTO, Cal.—Commissioner of Streets D. W. Carmichael at the next meeting of the City Commissioners will report on the proposed improvement of 13th street betweel R and X streets.

M. J. Desmond is City Clerk.

MARTINEZ, Contra Costa Co., Cal.—Before awarding the contract to James T. Sayles, of Martinez, the only bidder for the improvement of Smith street, the City Trustees have decided to take

the matter up with property owners in that thoroughfare who will be assessed for the work. Sayles' bid was $145,404.

Definite action will be taken April 5th.

RED BLUFF, Tehama Co., Cal.—Bids will be received by the County Supervisors, H. G. Kuhn, County Clerk, up to April 19th, 10 A. M., for fills on the south fork of the Cottonwood Creek bridge and for a fill for the Eliza Creek bridge.

RED BLUFF, Tehama Co., Cal.—Up to April 19th, 10 A. M., bids will be received by H. G. Kuhn, County Clerk, for macadamizing and graveling that portion of the Manton road from the Dale place to Manton.

All bids must specify that amount charged per cubic yard in placing crushed rock or macadam.

Rock crusher to be used for crushing rock or macadam is to be furnished by the County of Tehama.

Certified check of 10% payable to Chairman of Board of Supervisors must accompany each bid.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has appropriated $9,300 for the replacement of the fresh water connections of the High Pressure Fire System in Oak street, from Twelfth street northerly to the pumping station.

SAN FRANCISCO—The Board of Supervisors has requested City Engineer M. M. O'Shaughnessy to prepare estimates of cost for the improvement of Post street from Hyde to Larkin; Twenty-third street from Chattanooga to Church and Minna street between Fifth and Sixth streets.

VISALIA, Tulare Co., Cal. —The County Supervisors have awarded a contract to Thomas Haverty, 517 South Los Angeles St., Los Angeles, for the construction of a water plant in the Tulare County water works district No. 1, located at Alpaugh. The cost of construction is $17,938.85.

SAN FRANCISCO.—The Board of Public Works has awarded a contract to Wm. Cramp & Son at $173,100 for furnishing 5-foot balance valves for the Hetch Hetchy project.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy has been directed by the Board of Public Works to prepare proceedings providing for the construction of sidewalks in Twenty-second avenue between Geary and Anza streets.

BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has passed a resolution of intention providing for the improvement of Page street from Third to San Pablo avenue; Ninth street from Virginia street to Cedar and Tenth street from Jones to Camelia by grading; constructing concrete curbs and gutters, macadamized and surfaced with asphaltic macadam; contruction of concrete and corrugated iron culverts, valley gutters and sidewalks.

SAN RAFAEL, Marin Co., Cal.—Plans for the improvement of Sixth street will be presented to the City Council at the next meeting by City Engineer H. H. Jones.

The Council at its last meeting agreed to proceed with the proposed improvement of the Toll road.

Eugene W. Smith is City Clerk.

SAN FRANCISCO—J. D. Hannah, 142 Sansome St., San Francisco, has been awarded a contract by the Board of Public Works for the construction of the boardwalk along the Ocean Beach. A request has been made of the Supervisors to appropriate $13,505 to cover the cost of the contract.

TAFT, Kern Co., Cal.—Rogers Bros. Co., 350 Merrick street, Los Angeles, submitted the only bid at about $29,700 for paving Fourth street between Main and Kern streets, their unit prices being 17c sq. ft. for grading, 39c sq. ft for 5-in. concrete paving, 73c for Class B concrete curb, 34c sq. ft. for cement sidewalk, $1.50 for 1-in. conduit, $2 ft. for 1½-in. conduit, $10 each for junction boxes and 46c sq. ft. for concrete gutter. E. M. Lynch, Los Angeles, engineer

FRESNO, Fresno Co., Cal.—Until 2 p. m., April 16, new bids will be received by the Supervisors of Fresno County for paving routes 22 and 23, Sec. A, of the county highway. All bids received for this work on March 15 were rejected. The bids were as follows: Hugh Crummey, San Francisco—Spec. No. 1, concrete base with asphalt top, $223,551; Spec. No. 2, concrete base with Warrenite top, $218,461; Spec. No. 3, asphaltic concrete base with Topeka top, $202,336; Spec. No. 4, asphaltic concrete base with Warrenite top, $195,974.40. The unit bids were: (a) 10,448 cu. yds. excavation at $1.70 yd.; (b) 9,818 cu. yds. concrete paving at $13.50 yd.; (c) 636,160 sq. ft. asphalt surfacing at 11.5c sq. ft.; (d) 80 ft. railing at $88; (e) Warrenite surfacing, 10.7c sq. ft.; (f) asphalt concrete with Topeka top 29c sq. ft.; (g) asphalt concrete with Warrenite top 28c sq. ft.

Federal Construction Co., Fresno—Spec. 2, $219,848.92; Spec. 4, $195,633.40. Unit bids, (a) $1.79, (b) $14.00, (d) $79; (e) 10c sq. ft.; (g) 27.8c sq. ft.

Engineer's estimate—Spec. 1, $201,088.40; Spec. 2, $201,085.40; Spec. 3, $154,662.40; Spec. 4, $161,024. Unit prices, (a) $1.40, (b) $12.80, (c) 8c, (d) $80, (e) 8c, (f) 22c, (g) 23c.

LOS ANGELES, Cal.—S. V. Landt, 130 Stimson Bldg., Los Angeles, is receiving bids for the construction of a tunnel in Davis canyon, just above Sierra Madre Villa. The present water tunnel 210 feet in length, is to be extended 200 feet into the rock. The tunnel is about 7 feet high, 4 feet wide at the bottom and 3 feet wide at the top. Possibly another tunnel will have to be constructed. One-fourth the cost will be borne by the Vosburg Water Co. and the remainder by clients of Mr. Landt. Plans and specifications may be seen at Mr. Landt's office.

VENTURA, Ventura Co., Cal.—E. M. Lynch, Central Bldg., Los Angeles, has been retained by the City Trustees to prepare plans and specifications for Warrenite paving on Poli, Santa Clara, Meta, Spruce and Front streets. Petitions for paving Buena Vista and Crimea streets are also expected.

PRESCOTT, Ariz.—The Yavapai County highway commission has completed its report on roads to be built under the proposed $1,600,000 highway bond issue and it will be submitted shortly to the Board of Supervisors.

EL CENTRO, Imperial Co., Cal.—Excavation and embankment work on county highways to be constructed under the $1,500,000 bond issue will be done by Imperial County by day labor. Equipment will be leased by the county. The Supervisors will again advertise for bids for paving with bitulithic and one course concrete, other types being eliminated. The roads to be paved extend from Calipatria to Brawley and Brawley toward Holtville for 10 miles; Imperial toward Holtville for 10 miles; Calexico to Mt. Signal, and from Heber to El Centro, approximately 45 miles. The supervisors estimate these projects will practically exhaust the bond issue. An additional bond issue will be asked to complete the highway program.

SANTA ANA, Orange Co., Cal.—Wells & Bressler have signed a contract for paving Grand avenue for a distance of 1.64 miles beyond the city limits. They were awarded the work some time ago by the Supervisors at their bid of $13,080.

EL SEGUNDO, Los Angeles Co., Cal.—The El Segundo Water Company has petitioned the Railroad Commission for authority to issue $15,000 worth of its capital stock, the money to finance the installation of additional water mains and drill new wells.

HANFORD, Kings Co., Cal.—The matter of widening and otherwise improving Ninth street was discussed at the last meeting of the City Council, but no action was taken.

D. C. Williams is City Clerk.

HANFORD, Kings Co., Cal.—The contract for the paving of five streets, Harris, Elm, Myrtle, Katherine and South Douty, totaling $161,616.83, has been awarded by the City Council to C. E. Blanchard, 58 2nd street, San Francisco. The Federal Construction Co., of San Francisco, was low bidder on all improvements with the exception of Douty street, but on recommendation of F. E. Kilpatrick the contract was awarded Blanchard, the next low bidder.

Bids were also submitted by Hugh Crummey. D. C. Williams is City Clerk.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, has accepted Proposition No. 2, presented by H. D. Chapman, City Engineer, for the formation of assessment districts to bear the cost of improving the subway under the S. P. tracks in Macdonald avenue. The work is estimated to cost $19,000, not including $9,000 for the purchase of property required to complete the work.

EL MONTE, Los Angeles Co., Cal.—C. McNeill and Pernal Barnett, 234 S. Center St., Orange, submitted the lowest bid at $41,813 for constructing a sewer system and septic tank for the City of El Monte. This bid is based on cement pipe; bids were also taken for clay pipe. The septic tank will be of the Imhoff type, circular, about 20 ft. diameter, and constructed of reinforced concrete. Olmsted & Gillelen, Hollingsworth Bldg., are the engineers. The bids were taken under advisement.

Following are the bids in detail:

C. McNeill and Pernal Barnett—(a) 14,700 ft. 8-in. cement pipe, 67c ft.; (b) clay pipe, 70c; (c) 3200 ft. 10-in. cement pipe, 95c ft.; (d) clay pipe, 98c ft.; (e) 2075 ft. 12-in. cement pipe, $1.07 ft.; (f) clay pipe, $1.10 ft.; (g) 5980 ft. 18-in. cement pipe, $1.55 ft.; (h) clay pipe, $1.60 ft.; (i) 52 manholes, $65 each; (j) 17 flushtanks, $75 each; (k) septic tank, $12,240; total, $41,813.

Mlagenovich & Gillespie—(a) 91c; (b) 94c; (c) $1.02; (d) $1.05; (e) $1.14; (f) $1.17; (g) $1.72; (h) $1.75; (i) $60; (j) $100; (k) $8000; total, $42,112.

Nicksevich & Budinivich—(a) 85c; (b) 88c; (c) $1.01; (d) $1.05; (e) $1.19; (f) $1.23; (g) $2.02; (h) $2.17; (i) $72; (j) $105; (k) $6200; total, $42,004.85.

Leo Miletich—(a) 80c; (b) 88c; (c) $1.00; (d) $1.00; (e) $1.10; (f) $1.10; (g) $1.85; (h) $1.85; (i) $58.30; (j) $94.60; (k) $9245; total, $42,190.30.

Geo. Benson & Sons—(a) 95c; (b) 95c (c) $1.10; (d) $1.10; (e) $1.40; (f) $1.35; (g) $1.85; (h) $1.80; (i) $100; (j) $130; (k) $14,260; total, $52,720.

B. D. Zaich—(a) 95c; (b) $1.00; (c) $1.40; (d) $1.45; (e) $1.50; (f) $1.60; (g) $2.00; (h) $2.15; (i) $60; (j) $90; (k) $11,000; total $49,167.50.

J. Kavanaugh—(a) $1.10; (b) $1.10; (c) $1.20; (d) $1.20; (e) $1.35; (f) $1.35; (g) $1.60; (h) $1.60; (i) $70; (j) $85; (k) $11,955; total, $49,419.

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SAN BERNARDINO, Cal.—A resolution of intention has been adopted for the Seventh street and A street sewer, requiring about a mile of 8-in. vitrified pipe. Blue prints, $1.50. Will L. Brown, City Engineer.

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SACRAMENTO, Cal.—Property owners in K street have been asked by the City Council to defray the cost of installing new gutters. Commissioner of Streets Carmichael plans to re-surface the street at a cost of approximately $14,000.

M. J. Desmond is City Clerk.

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EUREKA, Humboldt Co., Cal.—Up to April 20th, 2 P. M., bids will be received by Fred M. Kay, County Clerk, for the construction of 2.8 miles of wagon road in Road District No. 3, the same being the north end, or section 4 of the Lord-Ellis Road.

Certified check of 5% required.

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VALLEJO, Solano Co., Cal.—The City Council has granted a permit to M. H. Cilley to construct a sewer in Indiana street to the intersection of the Orphan's Home road and Tennessee street, and to Mr. Gardelli for a sewer from the east side of the Orphan's Home road down Illinois street to Napa road

Alf. E. Edgecumbe is City Clerk.

MARYSVILLE, Yuba Co., Cal.—The City Council, Geo. W. Richards, City Clerk, has approved the diagram of Assessment District No. 8, drawn in connection with the paving of Twelfth street from B street to the Browns Valley grade.

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PHOENIX, Ariz.—The Maricopa County highway commission will call for new bids for constructing the county highway system under the $4,000,000 bond issue, on eight specifications. These specifications will include both concrete and bitulithic roads of 6, 5 and 4 in. in thickness and also roads with crushed rock base. Specifications will be drawn to take into account the traffic requirements for the various communitites.

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SANTA CRUZ, Santa Cruz Co., Cal.—The County Supervisors, on recommendation of Highway Engineer Lloyd C. Bowman, has awarded the contract for the construction of the 7.09 miles of highway between Sequel and a junction with the Pleasant Valley road, to Marshall & Baker, 2967 Avalon Ave., Berkeley, at $197,851.99.

H. H. Miller is County Clerk.

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SAN BERNARDINO, Cal.—Resolutions ordering work have been read for 3rd street paving, about 110,000 sq. ft. 2-in. Warrenite surface; 2nd street paving, 20,000 sq. ft. 2½-in. concrete base and 1½-in. Warrenite surface and Arrowhead avenue paving, 220,000 sq. ft. 4-in. concrete base with ⅜-in. oil and rock screenings. Plans have been adopted for 6th street paving, about 114,000 sq. ft. 4-in. concrete base with ⅜-in. oil and rock screenings surface. Plans are being prepared for Highland avenue paving, about 100,000 sq. ft. 6-in. rock and oil, 8,000 yds. of grading and 72,000 sq. ft 4-in. concrete paving. Will L. Brown, City Engineer.

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ORLAND, Glenn Co., Cal.—In addition to the paving of several other streets the Trustees, R. W. Camper, City Clerk, are planning the improvement of Third street between Colusa and Walker.

Petitions for the paving of Third street north of Yolo to Colusa, Second street from Walker to Shasta and Fourth street from Swift to Tehama are being circulated and will be presented to the Trustees at the April session.

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HOLLISTER, San Benito Co., Cal.—Preliminaries for the paving of West street and Sixth and Seventh streets have been completed by the City Trustees. It is planned to have the work under way this Spring.

Alvin D. Ebi is City Clerk.

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ALAMEDA, Alameda Co., Cal.—The City Council, R. E. Bosshard, City Clerk, has passed resolution of intention No. 52, N. S., providing for the improvement of Crist street from Broadway to Regent street, by grading and paving with 6-inch oil macadam, constructing concrete curbs, gutters, sidewalks and corrugated metal culverts with concrete gutter bridges.

Bids for this work will be called for shortly.

MONTEREY, Monterey Co., Cal.—Bids will be received by Archie Kay, City Clerk, up to April 6th, 7 P. M., for the improvement of Reeside Ave. from the northeast line of Lighthouse Ave. to the southwest line of Wave St. and from the northeast line of Wave St. to the east limit of the gradient on Reeside Ave., at the shore line of Monterey bay.

Spence St. from the northeast line of Lighthouse Ave. to the south line of Foam St. and from the north line of Foam St., to the northeast limith of the gradient of Spence St. at the shore line of Monterey bay.

Ocean View Ave. (formerly Ocean Ave.), from the northwest line of David Ave. to the northeast line of Wave St.

Wave St. from Reeside Ave. to a point 125 feet northwest to the north line of Spence St., by grading, constructing concrete curbs and gutters, gravel sidewalks, oil-macadam pavement together with bulkheads, returns, culverts, etc.

Separate bids will be received for each improvement. Certified check for 10% payable to City of Monterey required.

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SACRAMENTO, Cal.—A petieion has been received by the County Supervisors asking the improvement of the Lower Stockton road in the Franklin District.

The Supervisors have directed County Engineer Drury Butler to make a report of the petition at the next meeting.

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SAN LEANDRO, Alameda Co., Cal.—The City Trustees have granted permission to property owners in Alvarado street to have that thoroughfare improved by private contract. Work will consist of grading, macadamizing and curbing.

J. J. Gill is City Clerk.

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TURLOCK, Stanislaus Co., Cal.—Up to April 6th, 8 p. m., bids will be received by A. P. Ferguson, City Clerk, for the improvement of Line street, from the southeast line of West Main street to the southwest line of South Broadway, by grading and paving with a cement concrete base, 4 inches thick, and a Warrenite-Bitulithic wearing surface 1½ inches thick and the construction of concrete curbs and gutters.

Certified check for 10% payable to City of Turlock required.

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SAN FERNANDO, Los Angeles Co., Cal.—Until April 5 bids will be received by the City Clerk for the construction of the South Mt. Vernon avenue sewer, involving about four miles of vitrified pipe, including one mile of 12-inch pipe. Blue prints, $1.50. Will L. Brown, City Engineer.

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FRESNO, Fresno Co., Cal.—The City Council has passed resolutions of intention providing for the improvement of F street from the northwest line of Mono street to the north line of California avenue, under Resolution of Intention No. 1205 and Under Resolution of Intention No. 1206 for similar improvements in Belmont avenue from the east line of Van Ness avenue to the east line of Fresno avenue.

Chas. Dillon is City Clerk.

FRESNO, Fresno, Co., Cal.—The City Council, Chas. Dillon, City Clerk, has passed a resolution of intention providing for the improvement of "O" St., from the southeast line of Fresno street to the north line of Butler Ave.

Butler Ave. from the west line of "O" street to the east line of Parallel Avenue.

East Avenue from the south line of Butler Ave. to the north line of California Avenue.

Pearl St., from the south line of Hamilton Ave. to the north line of California Ave.

Hamilton Ave. from the east line of Van Ness Ave. to the east line of Parallel Ave., by grading, constructing concrete curbs and gutters, metal culverts and paving with a cement concrete base of various thicknesses and a wearing surface of Warrenite-Bitulithic 1½ inches thick; all provided under Resolution of Intention No. 1207.

TURLOCK, Stanislaus Co., Cal.—The City Trustees, A. P. Ferguson, City Clerk, has approved plans and specifications for the improvement of Marshall street for its entire length, West Florence, Sycamore, Myrtle and Merritt streets and the alley running in back of the Union block.

MARYSVILLE, Yuba Co., Cal.—L. B. Crook, County Engineer, is completing plans for the proposed new road to be constructed through District Ten which will be built by the county under the $60,000 a year direct tax voted by the Supervisors for permanent highways. It is probable that plans will be completed for presentation at the next meeting of the Supervisors.

Wm. M. Strief is County Clerk.

LOS GATOS, Santa Clara Co., Cal.—Bids will be received by Donna M. Winning, City Clerk, up to April 5th, 5 p. m., for the construction of a vitrified pipe sewer, with manholes, Y branches and appurtenances in portions of Santa Cruz avenue, Tait, Wilder, Thurston streets, Ashlar avenue, and Williams street.

Separate bids will also be received for the construction of sewers and appurtenances, a concrete dam and a reinforced concrete sump covered by a wooden building according to plans of the Town Engineer.

Further information may be had from the City Clerk.

ALAMEDA, Alameda Co., Cal.—Up to March 30th, 8:30 P. M., bids will be received by Charles E. Hewes, City Manager, for the construction of a fence at Washington Park.

Plans may be seen at the office of the City Clerk, R. E. Bosshard.

OAKLAND, Alameda Co., Cal.—The following bids were received on March 22, 1920, by the Alameda County Supervisors and a contract awarded to Bates & Borland, Oakland Bank of Savings Bldg. Oakland, for paving the Mt. Eden road from San Lorenzo junction at E-14th street through the town of Mt. Eden to connect with the Alvarado and Centerville road at Washington township:

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| Bates & Borland, Oakland | $206,380 |
| Ransome-Randall Co. Oakland | 208,887 |
| Healy-Tibbitts Co., S. F. | 264,695 |
| Hugh Crummey, S. F. | 282,775 |

STOCKTON, San Joaquin Co., Cal.—The City Council, A. L. Banks, City Clerk, has passed a resolution of intention No. 639, providing for the improvement of Walnut street from a line 27 feet east of the west line of Lower Sacramento road west to the east line of Edison street; Edison street from the south line of Lomita Park west to the north line of Lomita Park; Lomita avenue, from the north line of Walnut street north to Lomita Park; Carmel avenue from the north line of Walnut street, north to Lomita Park; Allston Way from the south line of Lomita Park north to the north line of Lomita Park; Ramona avenue from the north line of Walnut street, north to Lomita Park; Elizabeth avenue, from the south line of Lomita Park to the north boundary of Lomita Park; Lexington avenue, from the north line of Walnut street, to Lomita Park by grading, constructing concrete sidewalks, curbs and gutters and paving with an oil macadam, construction of a foundation course of cementing gravel 4" thick and a wearing surface of crushed rock and asphaltic oil 2" thick.

Also that portion of the Lower Sacramento road lying between the west line and a line 18 ft. distant east from and parallel to the west line from the south line of Lomita Park extended easterly across said road north for a distance of 633 feet be improved by grading and constructing concrete sidewalks, curbs and gutters.

The City Council has approved plans for the improvement of East Market street in that portion recently cut through the Crawford lots in order to extend that thoroughfare to Fair Oaks avenue. A call for bids for this work will be issued within the next few days.

The request of E. B. Condy, who is constructing a sanitary sewer in McKinley avenue, to land he owns in the Moss Villa Tract, that the Council pay for 86 feet of 6-inch pipe and a manhole, has been taken under advisement.

TRACY, San Joaquin Co., Cal.—The City Trustees have notified the Tracy Grammar School District that steps will be taken in the immediate future for the installation of water and sewer main extensions in Tenth street to the site of the new school building.

Geo. L. Frerichs is City Clerk.

EUREKA, Humboldt Co., Cal.—A petition urging the construction of a sewer in the territory bounded by Myrtle avenue, Sixth, Seventh and Y streets has been referred by the City Council to the Sewer Committe for report.

J. P. Wunderlich is City Clerk.

DIXON, Solano Co., Cal.—Protests against the paving of several streets in this city have been withdrawn and the trustees will issue a call for bids for construction in the near future.

Stuart Grady is City Clerk.

GRIDLEY, Butte Co., Cal.—Bids for the construction of Sanitary Sewer Unit "C" will be received by James Ownby, City Clerk, up to 5 P. M., April 5th, from plans prepared by John Felleman, City Engineer.

SAN FRANCISCO.—The following bids were received by the Board of Public Works for 33"x42" gate valves for use in the Hetch Hetchy project, under Contract No. 67:

Pacific Rolling Mills, $259,000, paying foreman $20 per day.

Moore Shipbuilding Co., $210,000, paying foreman $25 per day.

Coffin Valve Co., $185,000, paying foreman, $8.50 per day.

Joshua Hendy Co., $197,398, paying foreman $12 per day.

PRESCOTT, Ariz.—The Yavapai County Highway Commission in its report on highways planned under the proposed $1,500,000 bond issue outlines the following program: Prescott to Ash Fork road, to be surfaced with gravel, crushed rock or volcanic cinders, cost $430,590; Ash Fork to Nelson, to be surfaced with gravel, rock or volcanic cinders, $105,000; Prescott via Canyon to Maricopa County line, loose rock foundation and crushed rock surface, $308,760; Prescott to Maricopa County line via Iron Springs and Congress Junction, to be surfaced with disintegrated granite or gravel, $102,300; Camp Verde to Fossil creek, Gila Co. line, cemented gravel or crushed rock surface, $232,500; Camp Verde to Cottonwood, loose or crushed rock foundation with cemented gravel or crushed rock surface, $83,700; Cottonwood to point opposite Sedonia on Coconino County line, to be constructed and repaired, $153,450; Cottonwood via Clarkdale to Jerome, to be repaired and surfaced, $83,700. The program includes necessary drainage structures on all roads.

IMPERIAL, Imperial Co., Cal.—The $75,000 bond issue for laying a wearing surface on Imperial avenue and Main street carried at the special election.

PHOENIX, Ariz.—City Manager V. A. Thompson has signed contracts with the Pacific Tank & Pipe Co. and Redwood Manufacturtrs Co. for 153,900 ft. of 36-in. redwood stave pipe for the Verde gravity water system. The contract amounts to $844,000. About $450,000 of the bond issue remains for excavation and intake work and incidentals, bids for which will be advertised for soon.

LOS ANGELES, Cal.—Until 10 A. M. April 5, bids will be received by Board of Public Works for improving Seaside avenue between Samples Place and Ocean avenue, and portions of other streets on Terminal island, at the harbor., Ord. 39,914. The contract will involve approximately 136,056 sq. ft. protected concrete pavement 5 in thick and 90,739 sq. ft. grading and oiling. There will be a fill of approximately 50,000 cu. yds., bids for which will be taken in a lump sum. No bids were received for this work March 22, under a previous advertisement.

MODESTO, Stanislaus Co., Cal.—The City Engineer has been instructed to prepare plans for paving Almond avenue in response to a petition presented by property owners at the last meeting of the City Council.

W. O. Thompson is City Clerk.

SACRAMENTO, Cal.—A petition has been presented to the City Commissioners, M. J. Desmond, Clerk, asking the improvement of Marshall Way from Franklin Boulevard west for two blocks where the street ends at the Heilbron tract. The matter has been referred to Commissioner of Streets Carmichael for report.

LOS ANGELES, Cal.—The County Supervisors on March 22 adopted a resolution of intention for improvement of Center street from Main street south of Norwalk east to the old Los Angeles and San Diego stage road, a distance of 4.05 miles, in Road Improvement District No. 153. The work will involve 17,000 lin. ft. oiled macadam pavement 5 inches thick and 20 feet wide; 4400 feet reinforced concrete pavement 5 inches thick and 20 feet wide with decomposed granite base; reinforced concrete culverts, corrugated metal pipe culverts, concrete headwalls and necessary grading.

TAFT, Kern Co., Cal.—Rogers Bros., 350 Merrick St., Los Angeles, the only bidders, have been awarded a contract by the City Trustees for paving Fourth street from Main to Kern.

MODESTO, Stanislaus Co., Cal.—The City Council, W. O. Thompson, City Clerk, has approved plans and specifications for the improvement of the Intersection of Park avenue and 13th street and the paving of Lee street.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded contracts for street and sewer improvements as follows:

**Hutchinson Co.**, 444 17th St., Oakland, improvement of Prentiss street, bet. Peralta avenue and Prentiss Place, Prentiss Place from Prentiss street to Davis street, and a portion of Davis street from Prentiss Place, a distance 50 feet northwest, by the construction of concrete curbs and gutters and paving with oil macadm and in certain portions the construction of a brick storm water inlet, brick manholes, 10-inch vitrified pipe conduits ad 18" reinforced concrete culvert, at the following prices:

Excavation per cu. yd., $1.25.
Concrete gutters, 26c per sq. ft.
Concrete curb, 60c per lin. ft.
Storm water inlet, $70.00.
10" pipe conduit, $1.70 per lin. ft.
Oil macadam pavement, 13½c per sq. ft.
Manhole with cover, $65.00 each.
Reinforced concrete culvert, $3.00 per lin. ft.

**Ransome Randall Co., 28th & Poplar Sts., Oakland**—Improvement of Tenth street from Clay to Jefferson, also Ninth street from Clay to Jefferson, by grading, constructing concrete curbs and brick gutters and paving with asphalt.

**A. H. Koppernd, 2030 High St., Oakland**—Improvement of Twenty-first avenue from East 12th to East 14th street, by grading, constructing concrete curbs and gutters and paving with oil macadam and constructing 2 concrete valleys

REDLANDS, San Bernardino Co., Cal.—The Redlands & Yucaipa Land Co. contemplates spending $100,000 on the extension of and improvements to its water system. Three equalizing reservoirs of 750,000 to 1,000,000 gallons capacity each will be constructed. Contracts for these have not been let. Additional pipe will also be laid.

RICHMOND, Contra Costa Co., Cal—The City Council, A. C. Faris, City Clerk, has awarded a contract to L. L. Page, 728 Bissell Ave., Richmond, for the improvement of portions of Alvarado street, Nevada and Arizona avenues, he being low bidder on the following unit prices:

**For Street Work.**

Excavating, $1.00 cu. yd; filling, 50c cu. yd.; paving, 20c sq. ft.; cement sidewalks, 20c sq. ft.; curbing, 50c lin. ft.; curb bar, 50c lin. ft.; wing walls, $3.00 each; concrete steps, $1.00 lin. ft.; concrete in retaining walls, $25.00 cu. yd.

**For Sewer Work.**

Lampholes, complete, $10.00 each; four-inch pipe (sewer), 95c lin. ft.; Y branches, 75c each; guard rail, 50c lin. ft.; rock fill, $3.50 cu. yd.

PETALUMA, Sonoma Co., Cal.—The matter of cutting down sidewalks in Main street and re-setting curbing to allow the widening of that thoroughfare has been laid over for further consideration by the City Council. Lyman Green, City Clerk.

LODI, San Joaquin Co., Cal.—City Engineer L. F. Barzoletti has been instructed by the Trustees to prepare plans for the improvement of West Elm street from Hutchins streets west, a distance of three blocks. The work was ordered on petition of property owners. H. S. Clark is City Clerk.

GLENDALE, Los Angeles Co., Cal.—Olmsted & Gillelen, Consulting Engineers Hollingsworth Bldg., Los Angeles, have filed with the City Manager their report on the proposed sewer system for the city, including a plan of sewage disposal. The entire system will cost about $500,000, including lateral which will be paid for by assessments against property. A bond issue of $250,000 will be required for main sewers, interceptors and disposal plant.

SAN BERNARDINO, Cal.—Until April 5, bids will be received by the City Clerk for the construction of the South Mt. Vernon avenue sewer, involving about 4 miles of vitrified pipe, including one mile of 12-in. pipe. Blue prints may be obtained on payment of $2.00. Will L. Brown, City Engineer.

SAN DIEGO, Cal.—Plans for paving Chatsworth Blvd. and portions of Catalina and Voltaire streets have been approved by the City Council. This action is considered sufficient to make available $76,000 appropriation by the war department for paving Rosecrans street inside the military reservation.

STOCKTON, San Joaquin Co., Cal.—Bids will be received by A. L. Banks, City Clerk, up to April 6th, 10:30 A. M., for the improvement of a portion of East Market street, in Gambetta's Addition.

Certified check of 10% payable to City Clerk required.

FRESNO, Fresno Co., Cal.—Until 5 P. M., April 5, bids will be received by City Clerk Chas. Dillon for constructing 6-in. lateral sewer in city block 388.

SANTA BARBARA, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the lowest bid at $20,316.25 for paving Victoria street and the lowest bid at $18,337.18 for paving Sola street. Both bids were close to the engineer's estimates. Bryant & Austin, Inc., of Los Angeles, and J. D. Kneen Contracting Co. of Santa Monica, also bid on both jobs.

BAKERSFIELD, Kern Co., Cal.—Until 5 P. M., April 5, bids will be received by City Clerk V. Van Riper for street work as follows:

N street between Truxtun avenue and 15th street, to be graded and surfaced with oil and rock screenings.

Park Way between block 4, West Park, and Oleander avenue, to be graded and surfaced with oil and rock screenings.

ORLAND, Glenn Co., Cal.—C. W. Davis, City Engineer, is completing plans for an extensive paving program planned by the City Trustees under a $60,000 bond issue to be called shortly. It is planned to lay approximately 500,000 sq. ft. of bitulithic 1½-in. asphaltic concrete base 3½-in; 5,000 lin. ft. of concrete curb; 45,000 sq. ft. of concrete gutter; laying of electric conduits for a future electrolier system, etc.

VENTURA, Ventura Co., Cal.—J. L. Conner submitted the only bid for constructing ¾ mile of the Wheeler Springs road, involving 16,000 cu. yds. rock excavation at $2.00 cu. yd., and 200 cu. yds. ruble masonry at $15 cu. yd. The bid was rejected. Chas. Petit, County Surveyor.

WOODLAND, Yolo Co., Cal.—The City Trustees have adopted plans and specifications providing for the paving of Lincoln avenue from East to West streets, giving the city three main paved thoroughfares.

John A. Laugenour is City Clerk.

PRESCOTT, Ariz.—A resolution of intention to grade and pave portions of Gurley, Cortez, Montezuma and Goodwin Sts., included in one assessment district, with 4-in concrete base and 2-in. Warrenite surface, and to construct cement curbs and gutters was adopted by the city council on March 1. A resolution of intention to pave South Pleasant St. with 5 in. of concrete and to construct cement curbs was adopted by city council on Feb. 6. Both resolutions have just been published the first time.

WOODLAND, Yolo Co., Cal.—The City Trustees, J. H. Laugenour, Clerk, has passed resolution of intention No. 359 providing for the improvement of Oak avenue, from Elm to College street, including crossings by grading, constructing concrete curbs and gutters, basalt block headers and paving with a bituminous base 3-inches thick of asphaltic cement, sand and stone and a Warrenite-Bitulithic wearing surface 2-inches thick.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 737 | Cutler | Sculco | 500 |
| 738 | Yarellas | Bateman | 750 |
| 739 | Johnson | Owner | 500 |
| 740 | General Cigar | Barrett | 850 |
| 741 | Kruse | Coburn | 500 |
| 742 | Scholz | Trebino | 900 |
| 743 | Univ. Elec. | Grace | 500 |
| 744 | Lang | Owner | 7505 |
| 745 | Welish | Schultz | 1000 |
| 746 | Yee Lee | McMullin | 2500 |
| 747 | Duvaras | Crothers | 1500 |
| 748 | Ellington | Owner | 3000 |
| 749 | Devlin | Fennell | 8000 |
| 750 | Smith | Collman | 12005 |
| 751 | Enemark | Fischer | 17000 |
| 752 | Sprague | Owner | 8000 |
| 753 | Logan | Logan | 1500 |
| 754 | Young | Worrock | 3500 |
| 755 | Stevens | Owner | 8000 |
| 756 | Johnson | Owner | 3900 |
| 757 | Mission Ter | Ahnefeld | 22200 |
| 758 | Schaller | Fraser | 5298 |
| 759 | Fincus | Nelson | 50000 |
| 760 | Loupe | McLean | 500 |
| 761 | Schroeder | Lynch | 500 |
| 762 | Smith | McIntosh | 500 |
| 763 | Bartold | Salanave | 500 |
| 764 | Dahl | Horstmeyer | 700 |
| 765 | McMahon | Owner | 500 |
| 766 | Wallberg | Jensen | 515 |
| 767 | Urban Rlty | Duncan | 8405 |
| 768 | Illinois | Owner | 4000 |
| 769 | Premus | Premus | 5000 |
| 770 | D'Egilbert | Owner | 5000 |
| 771 | Duvaras | Crothers | 1500 |
| 772 | Rolkin | Reed | 10828 |
| 773 | McDermott | Leiter | 100000 |
| 774 | Levy | Cohn | 750 |
| 775 | Kearns | Born | 3000 |
| 776 | Lett | Owner | 1200 |
| 777 | Bauer | Bauer | 4750 |
| 778 | Union Oil | Owner | 750 |
| 779 | Otis | Mangrum | 10000 |
| 80 | Bilsborough | Owner | 900 |
| 781 | Dibert | Mulcahy | 5000 |
| 782 | Rousseau | Owner | 30000 |
| 783 | Airway | Wilson | 1771 |
| 784 | Bender | Owner | 6000 |
| 785 | Edwards | Toel | 300 |
| 786 | Roman Cath. | Scott | 2934 |
| 787 | Higgins | Arras | 13300 |
| 788 | Preti | Amer. Conc. | 950 |
| 789 | Evers | Owner | 1000 |
| 790 | McCarthy | Arnott | 2800 |
| 791 | Arnott | Owner | 2800 |
| 792 | McCarthy | Arnott | 2800 |
| 793 | Grannis | Grannis | 15000 |
| 794 | Glenn | Chase | 500 |
| 795 | Person | Owner | 2750 |
| 796 | Skelly | Mulcahy | 4890 |
| 797 | McDermot | Leiter | 107757 |
| 798 | McDermot | Kitchen | 5135 |
| 799 | Smith | Collman | 13750 |
| 800 | Rouda | Fabes | 18000 |
| 801 | Schlessinger | Coburn | 2800 |
| 802 | Kane | Waugh | 2000 |
| 803 | Bauer | Owner | 500 |
| 804 | Reimann | Binet | 3000 |
| 805 | Sutter | Owner | 900 |
| 806 | Union Oil | Owner | 4000 |
| 807 | McCormick | Smith | 1720 |
| 808 | Vignola | Smith | 1303 |

#### PERMITS

ALTERATIONS
(737) NO. 19 BRUCE PLACE. Raise dwelling and make general repairs.
Owner—Mr. Cutler, Premises.
Architect—None.
Contractor—A. Sculco & Son, 176 Banks St., San Francisco.
COST, $500

ALTERATIONS
(738) E FIFTH 100 S Market. Alterations for store front, to comply with regulations of Health Board.
Owner—Varellas Candy Store, Prem.
Architect—None.
Contractor—Mr. Bateman.
COST, $750

(739) W GUERRERO 80 N Valley. New front; general repairs for store.
Owner—Chas. Johnson, 16 Chenery St., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(740) NW MARKET AND THIRD. Alter stairway to basement and entrance vestibule
Owner—General Cigar Co., 201 California St., San Francisco.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, $850

REPAIRS
(741) NO. 1461 NINTH AVE. Repair fire damage to flats.
Owner—F. Kruse, Premises
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco.

CONCRETE FOUNDATION, ETC.
(742) W SAN BRUNO AVE bet. Silliman and Felton. Concrete foundation and ratproofing for motion picture theatre.
Owner—Robert Scholz, Premises.
Architect—None.
Contractor—Trobino & Peterson, 610 Fillmore St., San Francisco.
COST, $900

ALTERATIONS
(743) S STEVENSON 155 W Third. Install sidewalk door, cut through wall for generator installation.
Owner—Universal Electric & Gas Co., 469 Sutter St., San Francisco.
Architect—None.
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.
COST, $500

FRAME DWELLING
(744) NW ALLSTON WAY & ULLOA. One-story and basement frame dwlg.
Owner—Lang Realty Co., Mills Bldg., San Francisco.
Architect—None.
Day's work. COST, $7500

ALTERATIONS
(745) NO. 230 CALIFORNIA. Enlarge office and re-arrange partitions.
Owner—W. O. Welish, Premises.
Architect—John Reid, 1st National Bk. Bldg., San Francisco.
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.
COST, $1000

ALTERATIONS
(746) NO. 174 ELLIS ST. Alter barber shop for dining room enlargement; remove partitions, plumbing, etc.
Owner—Yee Lee, Premises.
Architect—J. L. Stewart, Claus Spreckels Bldg., San Francisco.
Contractor—C. E. McMullin, 1711 Lake St., San Francisco.
COST, $2500

ALTERATIONS
(747) NO. 3200 FULTON ST. General alterations and changes for store.
Owner—J. Duvaras, 757 Larkin St., San San Francisco.
Architect—None.
Contractor—F. Crothers, 1426 10th Ave San Francisco.
COST, $1500

FRAME DWELLING
(748) S JOOST AVE 250 E Genesee. Two-story and basement frame dwlg.
Owner—E. Ellingson, 653 Joost Ave., San Francisco.
Architect—None.
Day's work. COST, $3000

SHOP
(749) S GEARY 160 W Larkin. One-story brick (electric) shop.
Owner—Leo J. Devlin, Pacific Bldg., San Francisco.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.
COST, $8000

SHOP
(750) S FULTON 87-6 W Gough. One-story brick shop.
Owner—Harry and John F. Smith, 118 Rose Ave., San Francisco.
Architect—None.
Contractor—A. D. Collman, 110 Jessie St., San Francisco.
COST, $12,000

ALTERATIONS
N WMISSION AND TWENTIETH STS. General alterations and changes for cigar stand.
Owner—H. Bercovich Cigar Co., Sacramento and Montgomery, S. F.
Architect—A. H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Home Mfg. Co., 543 Brannan St., San Francisco.
COST, $3000
NOTE—Recorded contract reported March 20, 1920, No. 731.

#### RECORDED

CLASS "C" BLDG.
(751) SE FOURTH AND PERRY S 80 xE 125. All work for one-story Class "C" brick building.
Owner—L. H. Enemark, Trustee.
Architect—O'Brien Bros. Inc., 240 Montgomery St., San Francisco.
Contractor—L. F. Fischer, 206 Clement St., San Francisco.
Filed Mar. 22, '20. Dated Mar. 19, '20.
Brick work scaffold high.....$2550
Brick work up to truss level.... 2550
Roof framed ..... 2550
Building roofed, brick work done and plumbing roughed in.... 2550
Completed and accepted..... 2550
Usual 35 days..... 4250
TOTAL COST, $17,000
Bond, $8500. Sureties, F. P. Fischer & C. F. Fischer. Limit, 90 days. Forfeit, none. Plans and specifications filed.

REPAIRS
(752) SW EDDY AND LARKIN. Repair roof, cement floor, repair sidewalk, painting, etc., for garage.
Owner—Isabel Sprague, Trustee, by Wm. A. Lange, Agent, 422 Montgomery St., San Francisco.
Architect—F. Holland, New Call Bldg., San Francisco.
COST, $8000

ALTERATION
(753) NO. 1860 GREEN ST. Alter present two-story flats into apartments.
Owner—Elizabeth Logan, 1860 Green, San Francisco.
Architect—Edw. G. Bolles, 233 Post St., San Francisco.
Contractor—J. W. Logan, 1860 Green, San Francisco.
COST, $1500

DWELLING
(754) E SEVENTH AVE. 175 S Judah. One-story and basement frame dwelling.
Owner—Philip Young, — Seventh Ave., San Francisco.
Architect—None.
Contractor—M. C. Worrock, 256 8th Ave., San Francisco.
COST, $3500

FLATS
(755) E SEVENTHENTH AVE., 50 N Fulton. Two-story and basement frame flats.
Owner—S. Stevens, 778 17th Ave., San Francisco.
Architect—None.
COST, $8000

DWELLING
(756) E TWENTY-FIFTH AVE. 165-4 N Balboa. One-story and basement frame dwelling.
Owner—Ernest Johnson, 844 14th St., San Francisco.
Architect—None.
COST, $3900

FACTORY
SE FOURTH AND PERRY. One-story Class "C" factory.
Owner—L. H. Enemark, 422 Montgomery St., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—L. F. Fischer, 180 Jessie St., San Francisco.
COST, $17,000

NOTE: Recorded contract reported March 23, 1920, No. 751.

**RECORDED.**

FRAME BUNGALOWS
(757) LOTS 34 TO 41 BLK "D" Mission Terrace. All work for six one-story frame bungalows.
Owner—Mission Terrace Co., 318 Kearny St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Henry Ahnefeld, 522 Anderson St., San Francisco.
Filed Mar. 23, '20. Dated Mar. 22, '20.
Buildings up and enclosed.....$5550
Brown coated ..... 5550
Completed and accepted..... 5550
Usual 35 days..... 5550
TOTAL COST, $22,200
Bond, $8500. Surety, R. B. Church. Limit, 100 days. Forfeit, none. Plans and specifications filed.

PLASTERING
(758) LOT 73, MAP OF SUB-DIVISION No. 1, Sea Cliff. Plastering for a three-story and basement frame residence.
Owner—W. F. Schaller, 909 Hyde St., San Francisco.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Simon Fraser.
Filed March 23, '20. Dated March 19, '20.
12th and 27th of each month.... 75%
Usual 35 daays ..... 25%
TOTAL COST, $5398
Bond, $2700. Sureties, Stephen I. Guerin and Jas. E. Lennon. Forfeit. Limit, none. Plans and specifications filed.

**PERMITS.**

APARTMENTS
(759) NE FRANKLIN AND OLIVE Ave. Four-story and basement brick (23) apartments
Owner—Ralph Pincus, 77 O'Farrell St., San Francisco.
Architect—Wm. Beasley, 77 O'Farrell St., San Francisco.
Contractor—E. K. Nelson, 77 O'Farrell St., San Francisco.
COST, $50,000

ALTERATIONS
(760) NW KEARNY & SACRAMENTO Alter store front.
Owner—R. Loupe.
Architect—None.
Contractor—R. A. McLean, 110 Jessie St., San Francisco.
COST, $500

INSTALL LIGHTS AF PLATE GLASS
(761) SW McALLISTER AND GOUGH. Install 3 lights of plate glass.
Owner—Mrs. Schroeder, Premises.
Architect—None.
Contractor—Peter E. Lynch, 2898 Mission St., San Francisco.
COST, $500

ADDITIONS
(762) S CHANNEL bet. Third & Fourth. Addition to office.
Owner—Wm. Smith Co., 3rd and Channel Sts., San Francisco.
Architect—None.
Contractor—Wm. McIntosh.
COST, $500

ALTERATIONS
(763) NO. 1307 MASON. Alter store front and cement floor.
Owner—Bartold & Figeac, Premises.
Architect—None.
Contractor—J. Salanave, 931 Pacific St., San Francisco
COST, $500

ALTERATIONS
(764) NO. 36 BRODERICK. Alter front and re-arrange basement for garage.
Owner—Mrs. Dahl, Premises.
Architect—None.
Contractor—Wm. Horstmeyer Co., 31 Ord St., San Francisco.
COST, $700

ALTERATIONS
(765) E SUMNER 225 S Howard. Alter one-story frame dwelling into double cottage.
Owner—Abner W. McMahon, 9 Sumner St., San Francisco.
Architect—None.
Day's work. COST, $500

REPAIRS
(766) NO. 1833 LAGUNA ST. Repair fire damage to dwelling.
Owner—A. S. Wallberg, 1839 Laguna St., San Francisco.
Architect—None.
Contractor—James Jensen, 550 Valencia St., San Francisco.

DWELLING AND GARAGE
(767) N URBANO DRIVE 360 W Victoria. One and one-half story and basement frame dwelling and one-story frame garage.
Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco
Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.
Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.
COST, dwelling, $8,000; garage, $400

REPAIRS
(768) FIFTEENTH AND FOLSOM. Repairs to roof.
Owner—Illinois Pacific Glass Co., Premises.
Architect—None.
COST, $4000

FRAME DWELLING
(769) SE GRAFTON WAY 95 W El Portal. One-story and basement frame dwelling.
Owner—Ena B. Premus, 1162 Stanyan St., San Francisco.
Architect—None.
Contractor—W. C. Premus, 1162 Stanyan St., San Francisco.
COST, $5000

ALTERATIONS
(770) N CAMINO DEL MAR 200 E 32nd Ave. Alterations and additions for residence.
Owner—W. A. D'Egilbert, Willows, Cal.
Architect—None.
Day's work by Owner COST, $5000

**RECORDED.**

ALTERATION
(771) NW EIGHTH AVE. AND FULTON. Carpentry work of removing old store front and repair for new plate glass front, marble base, plaster exterior walls, new mill work; cement floors in store and rear rooms and basement, trap door and steps to basement and finish hardware for front doors.
Owner—J Duvaras, 757 Larkin St., San Francisco.
Architect—None.
Contractor—F. Crothers, 1426 10th Ave., San Francisco.
Filed Mar. 24, '20. Dated Mar. 20, '20.
Cement floor in store and basement completed .....$500
Exterior plastering done ..... 500
10 days after completion ..... 500
TOTAL COST, $1500
Bond, Sureties, Forfeit, none. Limit, 30 days after March 24. Plans and specifications filed.
NOTE: Permit reported March 23, 1920, No. 747.

ALTERATION
(772) N McALLISTER 137-6 W Leavenworth. Removing of old terra cotta and brick work of present building and furnishing and installing new terra cotta and brick work of new addition to a five-story and basement Class "C" building.
Owner—Edw. Rolkin, Argonaut Hotel, San Francisco.
Architect—W. H. Crim, Jr., 251 Kearny St., San Francisco.
Contractor—A. G. Reed, 180 Jessie St., San Francisco.
Filed Mar. 24, '20. Dated Mar. 22, '20.
Brick work completed to 3rd floor .....$2707
Brick work completed to 5th floor ..... 2707
Completed and accepted ..... 2707
Usual 35 days ..... 2707
TOTAL COST, $10,828
Bond, $10,828. Sureties, Hartford Accident and Indemnity Co. Forfeit, $20. Limit, 14 days after rough floor placed on 5th floor. Plans and specifications filed.

**PERMITS.**

OFFICES
(773) NE BATTERY AND HALLECK. Two-story and basement Class "C" offices.
Owner—Louis McDermott, care Stanley Moore, Insurance Exchange Bldg., San Francisco.
Architect—B. G. McDougall, 381 Bush St., San Francisco.
Contractor—E. T. Leiter & Sons, New Call Bldg., San Francisco.
COST, $100,000

ALTERATIONS
(774) NO. 531 CALIFORNIA ST. Lay wood floor and alter store front.
Owner—E. Levy, 147 Montgomery St., San Francisco.
Architect—None.
Contractor—Louis J. Cohn, 625 Market St., San Francisco.
COST, $750

REPAIRS
(775) S CLEMENT 40 E 38th Ave. Repair fire damage to frame residence.
Owner—Grace C. Kearns, 3649 Clement St., San Francisco.
Architect—S. A. Born Bldg., Co., 37th and Shoreview Ave., S. F.
Contractor—S. A. Born Bldg., Co., 37th and Shoreview Ave., S. F.
COST, $3000

RECONSTRUCT
(776) NO. 505 DIVISADERO ST. Reconstruct basement for store.
Owner—W. R. Lett, 941 Jones St., San Francisco.
Architect—None.
Contractor—Jack Persson, 702 Divisadero St., San Francisco.
COST, $1200

DWELLING
(777) W FAXON 97 N Southwood. One-story and basement frame dwelling.
Owner—Lucy A. Bauer and A. Quinn, 2506 23rd Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—L. A. Bauer, 2506 23rd Ave., San Francisco.
COST, $4750

BILLBOARD
(778) NE GEARY AND FUNSTON Ave. Erect illuminated billboard.
Owner—Union Oil Co., of California, 247 Mills Bldg., San Francisco.
Architect—None.
COST, $750

FLOORS, ETC.
(779) NO. 1231 MARKET. Tile and concrete floors, etc., for kitchen and store rooms, plumbing, etc.
Owner—James Otis, Trustee, 310 California St., San Francisco.
Architect—George Rushforth, 354 Pine St., San Francisco.
Contractor—Mangrum & Otter, C. C. W. Haun and Frank J. Klimm.
Cost, $10,000

ALTERATIONS
(780) NO. 961 MARKET. Alterations for store entrance.
Lessee—H. L. Bilsborough, 2191 Pine, San Francisco.
Architect—C. O. Clausen, Hcarst Bldg., San Francisco.
COST, $900

WORKSHOP
(781) N NATOMA 308 W First. One-story brick workshop.
Owner—L. C. Dibert, 35 Minna St., San Francisco.
Architect—None.
Contractor—Thos. F. Mulcahy, 180 Jessie, San Francisco.
COST, $5000

STORES
(782) NW POST AND OPHIR. One-story and basement with mezzanine stores.

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Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—Rousseau & Rousseu, 110 Sutter St., San Francisco
Day's work. COST, $30,000

FRAME HANGAR
(783) N SLOAT BLVD. bet. 21st and 31st Aves. One-story frame hangar.
Owner—Airway Development & Service Co., 303 Insurance Exchange Bldg., San Francisco.
Architect—E. B. Wilson, 2530 28th Ave., San Francisco.
Contractor—E. B. Wilson, 2530 28th Ave., San Francisco. COST, $1771

FRAME FLATS
(784) NO. 2622 SACRAMENTO Three story and basement frame (3) flats.
Owner—E. W. and Ada W. Bender, 1261 Broderick St., San Francisco.
Architect—None.
Day's work. COST, $6000

dwelling and make general repairs.
Owner—George Edwards, 136 Peralta Ave., San Francisco.
Architect—None.
Contractor—Lewes Toel, 215 Moultrie St., San Francisco. COST, $300

FRAME DWELLINGS
S SANTA ROSA 44, 77-4, 110-8, 144, 178-4 and 211-8 W Capistrano. Six one-story and basement frame dwellings.
Owner—Mission Terrace Co., 318 Kearny St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—H. Ahnfeld, 554 Anderson St., San Francisco.
NOTE:—Recorded contract reported March 24, 1920, No. 757.

**RECORDED**

PUMPING OUTFIT
(786) BLOCK BDED BY BARNEVELD Ave., Gaven, Merrill and Rickard Sts. All work for furnishing and installing an automatic electric pumping outfit.
Owner—The Roman Catholic Orphan Asylum of San Francisco (a Corp.) Premises.
Architect—Chas. J. I. Devlin, Pacific Bldg., San Francisco.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed Mar. 25, '20. Dated Mar. 23, '20.
On 1st of each month..... 75%
Usual 35 days ..... 25%
TOTAL COST, $2934
Bond, $1500. Sureties, Wm. P. Scott and H. M. Van Pelt. Limit, 90 days after March 23rd, or as soon thereafter as delivery of apparatus will permit. Forfeit, none. Plans and specifications filed.

**PERMITS.**

SHOP
(787) N BROADWAY bt. Sansome and Battery. One-story and basement concrete painting shop.
Owner—Higgins Estate, P. J. Fay, 1534 Union St., San Francisco.
Architect—L. M. Weismann, 1958 Market, San Francisco.
Contractor—Adam Arras, 110 Jessie St., San Francisco. COST, $13,300

GARAGE
(788) N CHESTNUT 100 W Grant Ave. One-story frame garage.
Owner—Pietro Preti, 215 Chestnut St., San Francisco.
Architect—None.
Contractor—American Concrete Co., 785 Market, San Francisco. COST, $950

RATPROOFING
(789) NO. 80 EDDY. Ratproofing, etc., for restaurant.
Owner—W. L. Evers, 80 Eddy St., San Francisco.
Architect—None. COST, $1000

DWELLING
(790) S FLOOD AVE. 200 E Forester. One-story and basement frame dwlg.
Owner—McCarthy Co., 316 Bush St., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son., 2426 32nd Ave., San Francisco. COST, $2800

DWELLING
(791) S FLOOD AVE. 175 E Forester. One-story and basement frame dwlg.
Owner—Jas. Arnott & Son, 2426 32nd Ave., San Francisco.
Architect—None.
Day's work. COST, $2800

DWELLING
(792) W JULES 250 E Grafton. One-story and basement frame dwelling.
Owner—McCarthy Co., 316 Bush St., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son., 2426 32nd Ave., San Francisco. COST, $2800

RESIDENCE
(793) S JACKSON 70-6 E Locust. Two-story and basement frame residence.
Owner—Mrs. Sophie Grannis, 2450 Steiner, San Francisco.
Architect—Edward E. Young, 251 Kearny, San Francisco.
Contractor—Fred R. Grannis, 2450 Steiner, San Francisco. COST, $15,000

CEMENT FLOOR, ETC.
(794) NO. 338 NOE ST. Cement floor and runway for garage.
Owner—John Glenn, 1374 O'Farrell, San Francisco.
Architect—None.
Contractor—S. A. Chase, 80 Douglass, San Francisco. COST, $500

DWELLING
(795) N ROLPH 200 W Morse. One-story and basement frame dwelling.
Owner—Martin Person, 200 London, San Francisco.
Architect—None.
Day's work. COST, $2750

**RECORDED.**

BUILDING
(796) NE MISSION AND THIRD E 77-6, N 80, E 20-8½, S 80, W 20-8½. All work except plumbing & electric work for a one-story Class "C" Bldg.
Owner—A. M. Skelly et al, 68 Post St., San Francisco.
Architect—Matthew O'Brien, 68 Post St., San Francisco.
Contractor—Thos. F. Mulcahy, 180 Jessie St., San Francisco.
Filed Mar. 26, '20. Dated Mar. 20, '20.
On or before 10th of each mo.. 75%
Usual 35 days ..... 25%
TOTAL COST, $4890
Bond, $2445. Sureties, Bridget Mulcahy and A. W. Lawson. Forfeit, $20. Limit, 60 days. Plans and specifications filed.
NOTE: Permit reported March 17, 1920, No. 697.

BUILDING
(797) NE BATTERY AND HALLECK E 137-6, N 127-6, W 35, S 45-10, W 102-6, S 81-8. Excavation, concrete, steel, brick and terra cotta, carpenter, glazing, plaster, plumbing, heating, electric wiring, painting, and roofing for a two-story and basement Class "C" building.
Owner—Louis M. MacDermot, care Hanley Moore, Ins. Exch. Bldg., San Francisco.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.
Contractor—E. T. Leiter & Sons, New Call Bldg., San Francisco.
Filed Mar. 26, '20. Dated Mar. 23, '20.
Bet. 1st and 10th of each mo... 75%
Usual 35 days ..... 25%
TOTAL COST, $107,757
Bond, Sureties, None. Forfeit, $60. Limit, 75 days after pile driving done. Plans and specifications filed.
NOTE: Permit reported Mar. 26, 1920, No. 773.

(798) PILES, PILE DRIVING, ETC., on above.
Contractor—A. W. Kitchen & Co., 110 Market, San Francisco.
Filed Mar. 26, '20. Dated Mar. 23, '20.
On completion ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $5135
Bond, Sureties, None. Forfeit, $60. Limit, 30 days after completing of excavation. Plans and specifications filed.

BUILDING
(799) S Fulton 87-6 S Gough W 50x S 87-6. All work for a one-story brick shop building.
Owner—Harry and John F. Smith, 118 Rose Ave., San Francisco.
Architect—None.
Contractor—A. D. Collman, 110 Jessie, San Francisco.
Filed Mar. 26, '20. Dated Mar. 22, '20.
On 1st and 15th of each mo..... 75%
Usual 35 days ..... 25%
TOTAL COST, $13,750
Bond, $6875. Sureties, Thos. L. Comyns and Jos. H. Pinkerton. Forfeit, none. Limit, 60 days. Plans and specifications filed.
NOTE: Permit reported Mar. 23, 1920, No. 750.

**PERMITS.**

APARTMENTS
(800) W HYDE 87-6 N Geary. Three-story and basement reinforced concrete (6) apartments.
Owner—N. Ronda, 401 Phelan Bldg., San Francisco.

Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.
Contractor—R. Forbes, Monadnock Bldg., San Francisco.
COST, $18,000

REPAIRS
(801) N O'FARRELL 166 S Powell. Repair fire damage to hotel.
Owner—Chas. Schlessinger, 449 Mills Bldg., San Francisco.
Architect—None.
Contractor—Ira W. Coburn, 180 Jessie St., San Francisco.
COST, $2800

DWELLING
(802) W THIRTY-SEVENTH AVE., 175 N Anza. One-story and basement frame dwelling.
Owner—Margaret Kane, 1930 Post St., San Francisco.
Architect—None.
Contractor—Ben H. Waugh, 2385 California St., San Francisco.
COST, $2000

ALTERATION
(803) NO. 1159 CLAY ST. Alter for private garags.
Owner—Hamilton A. Bauer, 1159 Clay St., San Francisco.
Architect—None.
COST, $500

DWELLING
(804) E FORTY-SIXTH AVE. 200 S Kirkham. One-story and basement frame dwelling.
Owner—Wm. Reimann, 48 Ramona Ave., San Francisco.
Architect—None.
Contractor—John J. Binet Co., 68 Ramona St., San Francisco.
COST, $3,000

ALTERATIONS
(805) NW KEARNY AND WASHINGton. Alterations for store.
Owner—Louis Sutter, 425 Kearny St., San Francisco.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.
COST, $900

SERVICE STATION.
(806) NW POST AND STEINER STS. One-story service station.
Owner—Union Oil Co., of California, 247 Mills Bldg., San Francisco.
Architect—None.
COST, $4000

RECORDED.

GRADING, ETC.
(807) NE SHORT 172.583 SE Mono SE 58.167 th 84 deg. 16 min. 13 sec. th left NE 61.667 th 97 deg. 14 min. 41 sec. th left NW 74.902 th 98 deg. 33 min. 02 sec. th left SW 60.375. Moving foundation, grading, underpinning, etc., for a one-story frame residence and a two-story frame residence.
Owner—Geneveve F. McCormick, 66-70 Short St., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Herbert W. Smith, 632 Falcon Ave., San Francisco.
Filed Mar. 27, '20. Dated Mar. 16, '20. Both Bldgs moved to new location, foundation walls and underpinning in place .....$860
Completed and accepted ..... 860
TOTAL COST, $1720
Bond, $860. Sureties, Mary L. Smith and Frank Vignola. Forfeit, none. Limit, 60 working days. Plans and specifications filed.
NOTE: Permit reported March 20, 1920, No. 727.

UNDERPINNING, ETC.
(808) N SHORT, No. 76 Short. Raising foundation, new basement, underpinning, etc., for one-story frame residence.
Owner—Frank and Maud Vignola, 76 Short St., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Herbert W. Smith, 632 Falcon Ave., San Francisco.
Filed Mar. 27, '20. Dated Mar. 16, '20. Bldg. raised, new joists in place, new studding and girders in and chimney underpinned....$651
Completed and acceped ..... 652
TOTAL COST, $1303
Bond, 0860. Sureties, Mary L. Smith and R. P. Sanches. Forfeit, none. Limit, 40 days. Plans and specifications filed.
NOTE: Permit reported March 20, 1920, No. 728.

## COMPLETION NOTICES

### San Francisco County

March 20, 1920—W PLYMOUTH N 35 from N line lot 5, S 45, S 73 deg. 35 min. 31 sec. W 93.635 N 38 N 68 deg. 22 min. 57 sec E 93.198 portion lots 4 and 5, block 3163, Westwood Park. John J. Kingwell to Kingwell Bros.....March 18, 1920
March 20, 1920—W PLYMOUTH Ave. N 4 from N line Lot 11 S 42 N 84 deg. 51 min. 09 sec. W 96.729 N 40 S 86 deg. 03 min. 33 sec. E 96.406 portion lots 10, 11, 12, block 3163 Westwood Park. John J. Kingwell to Kingwell Bros. ....March 18, 1920
March 20, 1920—E TWENTY-4TH Ave. 300 N Balboa. Simon Fraser to Theodore G. and Rollin E. Meyer ..... .....March 14, 1920
Mar. 20, 1920—LOT 21 BLK 24 St. Francis Wood Extension No. 2. Garden Homes Co to John Morton.. .....March 16, 1920
Mar. 20, 1920—N CALIFORNIA 43-6 E Front E 44 N 94 W 87-6 S 26 E 43-6 S 68. Geo E Billings to Walter Sorenson.....Mar. 18, 1920
Mar. 22, 1920—W THIRTY-THIRD Ave 25 N Balboa. A Penziner and S Larsen to whom it may concren .....Mar. 20, 1920
Mar. 22, 1920—LOT 13 BLK A, Lakeview. The McCarthy Co to James Arnott & Son.....Mar. 20, 1920
Mar. 22, 1920—E THIRTY-THIRD Ave 125 N Taraval and W 33rd Ave 125 S Taraval. Parkside Realty Co of San Francisco to Ernest Swanson.....Mar. 20, 1920
March 23, 1920—N HARRISON AND Columbia Square NW 75xNE 120. Louis R. Lurie to J. F. Barrett and H. H. Hilp as Barrett & Hilp.... .....March 4, 1920
Mar. 23, 1920—LOTS 13, 15, 17 BLK 17 Crocker Amazon Tract; Lots 6 to 9 Blk 29, Crocker Amazon Tract Crocker Estate Co to Albin M Samuelson.....Mar. 22, 1920
Mar. 24, 1920—S MISSION 175 W 6th W 160xS 160. Sierra Investment Co to G B Pasqualetti..Mar. 24, 1920
Mar. 25, 1920—W EIGHTH AVE 175 S Moraga S 25xW 120. A Doyle to D Houle..... .. ..Mar. 10, 1920
Mar. 25, 1920—LOT 12 BLK "A" Lakeview. Max Breitman to James Arnott & Son.....Mar. 24, 1920
Mar. 25, 1920—44 FT. ON CALIFORnia and 26 ft. on Front. American Finance & Commerce Co to D Zelinsky & Sons.....Mar. 25, 1920
Mar. 25, 1920—LOTS 6 TO 9 BLK 6449 Crocker Amazon Tract Sub. No. 2. Crocker Estate Co to Albin M Samuelson.....Mar. 22, 1920
Mar. 25, 1920—LOT 14 BLK 22. Crocker Amazon Tract. Victor Holmgren to whom it may concern .....March 24, 1920
Mar. 24, 1920—N ELLIS 40 E Franklin E 40xN 120. Marie L Bergerot and Thos Lacoste to San Francisco Elevator Co.....Mar. 22, 1920
Mar. 25, 1920—S EDDY 50 W Jones S 87-6xW 100. Nettie Aronson to John Spargo .....March 19, 1920
Mar. 25, 1920—Lot 3 BLK "C" Lakeview. The McCarthy Co to James Arnott & Son.....Mar. 25, 1920

## LIENS FILED.

### San Francisco County.

Mar. 20, 1920—N UNION 137-6 W Steiner W 55xN 137-6. James H Hardy Inc vs J C and Anna Hladik .....$962.09
March 20, 1920—N UNION 137-6 W Steiner W 55xN 137-6. Otto Carson vs. Anna and husband J. C. Hladik .....$2126.90

### NEW FOUNDRY FOR OAKLAND

OAKLAND, Calif. Announcing their intention to establish a foundry and manufacturing business, E. K. Rogers, Herbert C. Cheek and Kenneth C. Gillis of Berkeley have filed incorporation papers for the E. K. Rogers Manufacturing Co. with County Clerk George Gross The concern is capitalized at $20,000 and the three directors have each subscribed $100.

## BUILDING CONTRACTS

### Alameda County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 638 | Hanssen | Owner | 400 |
| 639 | Pries | Cal Bldrs | 8900 |
| 640 | Healy | Owner | 2500 |
| 641 | Kosdy | Owner | 3000 |
| 642 | Anderson | Owner | 3500 |
| 643 | Lundberg | Owner | 800 |
| 644 | Menser | Owner | 3000 |
| 645 | Harris | Marshall | 750 |
| 646 | Vincent | Dabner | 400 |
| 647 | Delaner .... | Dabner | 400 |
| 648 | Rosenstein | Terra | 500 |
| 649 | Williams | Owner | 2000 |
| 650 | Bass | Anderson | 563 |
| 651 | Guhl | Cal. Bldrs. | 3400 |
| 652 | Sulen | Tupper | 975 |
| 653 | de Menge | de Menge | 500 |
| 654 | De Coite | Faulkes | 3800 |
| 655 | Sprague | Peake | 500 |
| 656 | Schultz | Lee | 400 |
| 657 | Klitgaard | Owner | 500 |
| 658 | Shaw | Noble | 500 |
| 659 | Wood | Riddell | 750 |
| 660 | Strong | Owner | 2000 |
| 661 | Roderick | Owner | 1600 |
| 662 | Oates | Owner | 3500 |
| 663 | Brown | Owner | 4000 |
| 664 | Church | Butterfield | 500 |
| 665 | Duisenberg | Hopper | 31821 |
| 666 | Sanford | Owner | 400 |
| 667 | Kucnemann | Morgensen | 5000 |
| 668 | Scoggin | Owner | 1800 |
| 669 | Pickering | Anderson | 3900 |
| 670 | Pac. Coast Can'g.. | Owner | 500 |
| 671 | Woods | Haskell | 500 |
| 672 | Langben | Owner | 450 |
| 673 | McCoy | Owner | 4000 |
| 674 | Jordan | Owner | 3000 |
| 675 | Dinsmore | Duval | — |
| 676 | Davidson | Texdahl | 12800 |

ADDITION
(638) NO. 1409 BONITA ST., Berkeley. Addition.
Owner—Louis O. Hanssen. Premises.
Architect—None.
Day's work. COST, $400

APARTMENTS
(639) E COLLEGE AVE 350 S Woolsey, Berkeley. Two-story 12-room apartments.
Owner—H. Pries, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland.
COST, $8900

DWELLING
(640) NE BLACKSTONE AND DOHR Sts., Berkeley. One-story 5-room dwelling.
Owner—P. J. Healy, 842 37th St., Berkeley.
Architect—None.
Day's work. COST, $2500

DWELLING
(641) NW TWENTY-FIFTH AND E-28th St., Oakland. One-story 5-room dwelling.
Owner—Wm. E. Kosdy, 2815 25th Ave., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLING
(642) N DELAWARE 92 E Peralta Ave., Oakland. One-story 5-room dwelling.
Owner—A. F. Anderson, 4332 Leach Ave., Oakland.
Architect—None.
Day's work. COST, $3500

ALTERATIONS
(643) NO. 3432 ELMWOOD, Oakland. Alterations.
Owner—S. Lundberg. Premises.
Architect—None.
Day's work. COST, $800

DWELLING
(644) FRUITVALE ACRES, Oakland. One-story 5-room dwelling.
Owner—Teresse Menser, 2924 E-23rd St., Oakland.
Architect—None.
Contractor—G. S. Menser, 2924 E-23rd St., Oakland.
COST, $3000

DWELLING
(645) N FOOTHILL BLVD. 50 E 38th Ave., Oakland. One-story 3-room dwelling.

Owner—L. H. Harris, 3909 Foothill Bvld., Oakland.
Architect—None.
Contractor—J. S. Marshall, 1729 36th Ave., Oakland.
COST, $750

DWELLING
(646) FRUITVALE ACRES, Oakland. One-story 2-room dwelling.
Owner—Mrs. Anna Vincent, 520 Chetwood, Oakland.
Architect—None.
Contractor—Frank Dabner.
COST, $400

DWELLING
(647) FRUITVALE ACRES, Oakland. One-story 2-room dwelling.
Owner—Mrs. P. J. Delaney, 520 Chetwood, Oakland.
Architect—None.
Contractor—Frank Dabner.
COST, $400.

ADDITION
(648) NO. 472 OAKLAND AVE., Oakland. Addition.
Owner—John Rosenstein.
Architect—None.
Contractor—M. J. Terra, 870 46th St., Oakland.
COST, $500

DWELLING
(649)S QUIGLEY 200 E 39th Ave., Oakland. One-story 5-room dwelling.
Owner—E. R. Williams, 3381 Peralta Ave., Oakland.
Architect—None.
Day's work.
COST, $2000

ALTERATIONS
(650) NO. 4117 TERRACE ST., Oakland. Alterations.
Owner—Mrs. Bass.
Architect—None.
Contractor—A. F. Anderson, 4332 Leach Ave., Oakland.
COST, $563

DWELLING
(651) LOT 24, AMENDED MAP, E Rhoda Ave., 200 S Carmel, being Rhoda Tract, Oakland. One-story, 5-room dwelling.
Owner—A. B. Guhl, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland.
Filed March 23, '20. Dated Feb. 27, '20.
Rough material on ground ..... ¼
Roof on ..... ¼
Lathing and plastering started.. ¼
Completed ..... ¼
TOTAL COST, $3400
Bond, Sureties, Forfeit, limit, none. No plans or specifications filed.
NOTE: Permit reported March 12, 1920, No. 557.

OFFICE
(652) NO. 2920 TELEGRAPH AVE., Berkeley. One-story office.
Owner—S. A. Sulen, 3023 Benvenue, Berkeley.
Architect—None.
Contractor—Thad M. Tupper, 2310 Russell, Berkeley.
COST, $975

ALTERATIONS
(653) NO. 1841 BERKELEY WAY, Berkeley. Alterations.
Owner—Echo de Menge, Premises.
Architect—None.
Contractor—Frank de Menge, Premises.
COST, $500

DWELLING
(654) E EIGHTY-NINTH AVE 40 N Olive St., Oakland. One-story five-room dwelling.
Owner—F. De Coite, Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland.
COST, $3800

ALTERATIONS
(655) N CEDAR 75 W Henry, Berkeley Alterations.
Owner—Edith Sprague, NW Cedar and Henry, Berkeley.
Architect—None
Contractor—F. R. Peake, 2045 Shattuck Ave., Berkeley.
COST, $500

ALTERATIONS
(656) NO. 2901 CENTRAL AVE., Alameda. Alterations.
Owner—H. D. Schultz, Premises.
Architect—None.
Contractor—Samuel Lee, 1832 San Antonio Ave., Alameda.
COST, $400

ALTERATIONS
(657) NO. 825 PARU ST., Alameda. Alterations.
Owner—Mrs. Emma C. Klitgaard, Prem.
Architect—None.
Day's work.
COST, $500

ALTERATIONS
(658) NO. 2142 SANTA CLARA AVE., Alameda. Alterations.
Owner—M. Shaw.
Architect—None.
Contractor—G. H. Noble, 2205 Santa Clara Ave., Alameda.
COST, $500

GARAGE
(659) W BROADWAY TERRACE opp. Golden Gate Ave., Oakland. Garage
Owner—Ellen C. Wood.
Architect—None.
Contractor—Riddell Co., 2247 Telegraph Ave., Berkeley.
COST, $750

STORES
(660) W COLLEGE AVE. opp. Keith Ave., Oakland. One-story-stores.
Owner—Strong Realty Co., 5649 College Ave., Oakland.
Architect—None.
Day's work.
COST, $2000

DWELLING
(661) W EIGHTY-THIRD AVE 600 S Birch, Oakland One-story 3-room dwelling.
Owner—Edward Roderick, 722 5th Ave., Oakland.
Architect—None.
Day's work.
COST, $1600

DWELLING
(662) S E-THIRTY-EIGHTH 150 N Hopkins, Oakland. One-story 5-room dwelling.
Owner—R. Oates, 1816 E-38th St., Oakland.
Architect—None.
Day's work.
COST, $3500

DWELLING
(663) S TAFT AVE 440 W Broadway, Oakland. One-story 6-room dwelling
Owner—Brown & Stoops, 6037 Telegraph Ave., Oakland
Architect—None.
Day's work.
COST, $4000

GARAGE
(664) SW WARFIELD AND WELDON Oakland. Garage.
Owner—Elmer S. Church, Premises.
Architect—None.
Contractor—T. P. Butterfield, El Cerrito.
COST, $500

DWELLING & GARAGE
(665) LOT 35 Map Crocker Terrace, Oakland. All work for two-story and basement dwelling and garage.
Owner—Breta B. Duisenberg.
Architect—None.
Contractor—M. E. Hopper & Son, 12 Linda Ave., Oakland.
Filed Mar. 22, '20. Dated Mar. 22, '20.
On 5th and 20th of each month owner pays for work done.....
Completed and accepted.....Balance
TOTAL COST, $31,824
Bond, none. Limit, 130 days. Forfeit, none. Plans and specifications filed.

SHED
(666) NO. 2223 SIXTH ST., Berkeley. Shed.
Owner—Chas. W. Sanford, 176 8th St., Berkeley.
Architect—None.
COST, $400

DWELLING
(667) E CARLTON 319 S Prospect Drive, Oakland. One-story, 6-room dwelling.
Owner—John R. Kuenemann, 455 41st St., Oakland.
Architect—None.
Contractor—Morgensen Bros., 415 44th St., Oakland.
COST, $5000

STORES
(668) NE GRAND AVE. and Webster, Oakland. One-story brick stores.
Owner—Stanley G. Scoggin, 176, Grand Ave., Oakland.
Architect—None.
COST, $1800

ALTERATION
(669) NO. 830 OAK ST., Oakland. Alter two-story dwelling to apts.
Owner—Mrs. M. H. Pickering, Prem.
Architect—None.
Contractor—Wm. E. Anderson, 14 Croxton Ave., Oakland.
COST, $3900

STORE
(670) S TWELFTH 137 W Wood, Oakland. Store.
Owner—Pacific Coast Canning Co., 1812 12th St., Oakland.
Architect—None.
COST, $500

ALTERATIONS
(671) NO. 4335 MONTGOMERY ST., Oakland. Alterations.
Owner—E. T. Woods, Premises.
Architect—None.
Contractor—Albert A. Haskell, 1331 Montgomery St., Oakland.
COST, $500

ADDITION
(672) NO. 691 TYLER ST., Oakland. Addition.
Owner—C. Langben, Premises.
Architect—None.
Day's work.
COST, $450

DWELLING
(673) S SANTA RAY AVE 1000 E Paloma Ave., Oakland. One and one half-story 6-room dwelling.
Owner—Arderson & McCoy, 9302 Birch St., Oakland.
Architect—None.
Day's work.
COST, $4000

DWELLING
(674) N SONOMA 81.31 E Colusa, Berkeley. One-story 5-room dwelling.
Owner—C. Zelle and M. Jordan, 2544 Milvia St., Berkeley.
Architect—None.
Day's work.
COST, $3000

BRICK STORES
(675) FT. 199 S OF S WCOR. 24th and Broadway SW 50 NW 239.4 NE 51.61 SE 252-1⅝, Oakland. All work for one-story brick stores.
Owner—L. E. Dinsmore, 27 Highland Ave., Piedmont.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—Oliver Duval & Son, Daziel Bldg., Oakland.
Filed Mar. 27, '20. Dated Mar. 2, '20.
3rd day of each month..... 75%
Usual 35 days..... 25%
TOTAL COST plus 7½%
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

GARAGE
(676) S CHANNING WAY 112.62 E Shattuck Ave., being Lot 7 Blk 3, College Homestead, Berkeley. All work except electric fixtures for one-story brick garage.
Owner—J. H Davidson, 2140 University Ave., Berkeley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—C. Texdahl, 226 Acton St., Berkeley.
Filed Mar. 27, '20. Dated Mar. 25, '20.
Brick work up to ceiling line.... ¼
Roof completed ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $12,800
Bond, none. Limit, 80 days Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES

### Alameda County

March 19, 1920—W. P. MOLE, Oakland. W. P. Railroad to A. W. Kitchen .....Feb. 25, 1920
March 19, 1920—W. P. MOLE, Oakland. W. P. Railroad to Pacific Coast Dredging and Reclamation Co. .....Feb. 29, 1920
Mar. 22, 1920—S 47 LOT 21 BLK 1, Highland Sdbvn Adams Point Ppty, Okd. Mary H Little to Alfred Olson.....March 4, 1920

Mar. 23, 1920—COR. PARK AVE AND Harlan St., Emeryville. Western Canning Co by P J Walker Co., Agent, to Peter Bradley...Mar. 19, '20
Mar. 23, 1920—S UNIVERSITY AVE. bet Curtis & Bonar. Bkly. Berkeley Board of Education of the City of Berkeley to George Dixon .....Mar. 16, 1920
Mar. 23, 1920—E TELEGRAPH AVE. bet. Ward & Stuart, Bkly. Berkeley Board of Education of the City of Berkeley to Gladding, McBean & Co.....Mar. 16, 1920
Mar. 23, 1920—S OREGON bet. Grant St. and McGee Av., Bkly. Berkeley Board of Education of the City of Berkeley to Mealey & Collins.... .....Mar 16, 1920
March 24, 1920—S BLAIR AVE. and W Bonita Ave. SE 100, SW 36, NE 106.31 NE 20.03 NE 17.16, Piedmont. May S. Breedlove to whom it may concern .....March 22, 1920
Mar. 24, 1920—FORT. LOT 6, BLK. 1, John Kearney Tract, Berkeley. Arthur B. Wood to Conner & Conner. .....March 22, 1920
March 24, 1920—W LAGUNA 100 N Wilbur, Oakland. Geo. C. Holberton to Chas. C. Williams..... .....March 20, 1920
March 24, 1920—W LAGUNA 60 N Wilbur, Oakland. Geo. C. Holberton to Chas. C. Williams.Mar. 20, '20
March 24, 1920—LOTS 4 AND 5, BLK. 2, San Pablo Park Tract, Berkeley. W. C. Wiester to Chas. C. Williams .....March 12, 1920
March 24, 1920—LOT 23, BLK. 5, Map Dwight Way Terrace, Berkeley. May S. Breedlove to whom it may concern .....Feb. 1, 1920

### LIENS FILED.

## Alameda County

Mar. 18, 1920—LOT 8 BLK 6, Meek Orchard, Hayward. George Ellis Nichols vs J and Jane Doe Bohnet ..... .....$75
Mar. 17, 1920—LOT 4 BLK 33 Map Hollywood Terrace, Oakland. E L Blackman Lumber Co vs J Y Randolph, A L Young and E Welchoff ..... .....$38.05

### BUILDING CONTRACTS.

#### Santa Clara County.

COTTAGE
TWENTY-THIRD ST. near William, San Jose. Cottage.
Owner—W. W. Taylor, San Jose.
Architect—None.
Day's work. COST, $1200

COTTAGE
NO. 144 HOLLYWOOD, San Jose. Cottage.
Owner—W. R. Gilbert, San Jose.
Architect—None.
Day's work. COST, $3300

COTTAGES
N FIRST near Asbury, San Jose. Two cottages.
Owner—Cutting Packing Co., San Jose.
Architect—C. C. Lewis, San Jose.
Contractor—C. C. Lewis, San Jose. COST, $4700 each

COTTAGE
ATLANTIC Near Delmas, San Jose. Cottage.
Owner—Cole Realty Co., 719 Cole St., San Francisco.
Architect—None.
Day's work. COST, $3000

### MINOR JOBS IN SAN JOSE.

Humboldt and Lick, San Jose; addition; owner, San Jose Canning Co.; cost, $500.
No. 415 Gregory Ave., San Jose; addition; owner, Frank Conte; cost, $500.
No. 48 N First St., San Jose; electric sign; owner, Lester Gryder; contractor, Fedcral Electric Co.; cost, $450.

### COMPLETION NOTICES

#### Santa Clara County.

Recorded Accepted
Feb. 20, 1920—LOTS 1, 2 AND 4 of Cole Realty Co Sbdvn., San Jose.
Cole Realty Co to whom it may concern.....Feb. 9, 1920
Feb. 26, 1920—NAGLEE TERRACE, San Jose. F B Gilger to whom it may concern.....Feb. 26, 1920
Feb. 27, 1920—SAN JOSE. Antonio Scorci to G Leone.....Feb. 12, 1920
Mar. 3, 1920—NO. 76 HANCHETT AV., San Jose. M S Kneass to G Van Dalsen .....
Mar. 4, 1920—SAN JOSE. Pacific Gas & Electric Co Pacific Meter Co.. .....Feb. 28, 1920
Mar. 12, 1920—SAN JOSE. H Ray Fry to Cahill-Vensano Co....Mar. 11, 1920
Mar. 15, 1920—PALO ALTO. Susan M Looney to H R Moss..Mar. 15, 1920
Mar. 19, 1920—DELMAS AVE., San Jose. Chas J Moore to A K Burkett .....March 19, 1920
Mar. 19, 1920—SAN JOSE. A O Bryan to whom it may concern.Mar. 19, 1920
Mar. 24, 1920—NAGLEE TERRACE, San Jose. A K Burkett to whom it may concern.....Mar. 24, 1920
Mar. 24, 1920—CLEAVES TRACT, San Jose. Hazel Henningsen to Wm Regel.....Feb. 15, 1920

### LIENS FILED.

#### Santa Clara County.

Recorded Amount
March 16, 1920—NORTH LOS ALTOS. Thomas A. Oakes vs. A. Christeson and Carrie B. Christeson..$14,450.14
March 15, 1920—NORTH LOS ALTOS. Wismom-Bonner Hardware Co. vs. Carrie B. Christeson and T. A. Oaks .....$621.68
March 16, 1920—NORTH LOS ALTOS. Pacific Manufacturing Company vs. A. Christeson, Carrie B. Christeson and T. A. Oakes .....$4312.67
March 6, 1920—NORTH LOS ALTOS. J. C. Baker vs. A. Christeson and T. A. Oakes .....$204.00
March 15, 1920—NORTH LOS ALTOS. J. C. Baker vs. Carrie B. Christeson and T. A. Oakes .....$204.00
March 15, 1920—NORTH LOS ALTOS. Wismom Lumber Co. vs. Carrie B. Christeson and T. A. Oakes..$306.12
March 2, 1920—NORTH LOS ALTOS. Pacific Manufacturing Co. vs. A. Christeson and T. A. Oakes.$3312.67
March 10, 1920—LOT 40 PHELAN Tract, Schieles Subdivision No. 4, W. E. Sweatt vs. Charles W. Townsend and Mrs. E. Van Emen....$65.00
Feb. 24, 1920—SAN JOSE, Cal. Dominick Ferrant vs. J. Latorre...$28.00
March 15, 1920—NORTH LOS ALTOS. Seth Cohn (as Atlas Electric Co.) $315.25; David Grant, $756.25, vs. A. Christeson, Jane Doe Christeson, T. A. Oakes and George Flora.....
March 17, 1920—NORTH LOS ALTOS. Seth Cohn (as Atlas Electric Co.) $315.25; David Grant, $756.25, vs. A. Christeson, Carrie B. Christeson, T. A. Oakes and George Flora.....

### BUILDING CONTRACTS.

#### Fresno County.

STATION
LOTS 23 AND 24 Forthcamp Addition, Fresno. Filling station.
Owner—J. E. Williams, Fresno.
Architect—None.
Contractor—H. Dickey, 150 Howard St., Fresno. COST, $1100

ADDITION
NO. 3530 BELMONT AVE., Fresno. Addition.
Owner—S. B. Good, Premises.
Architect—None.
Day's work. COST, $1000

GARAGE
NO. 1313 E ST., Fresno. Garage.
Owner—Damir Bros., 1137 J St., Fresno.
Architect—None.
Contractor—Trewhitt-Shields, Rowell Bldg., Fresno. COST, $13,000

ADDITION
NOS. 734 TO 742 J ST., Fresno. Addition of 2nd story to building.
Owner—C. and M. Brock and A. Halemier, Premises.
Architect—None.
Contractor—Anton Johnson, 835 Harrison St., Fresno. COST, $12,000

PLATFORM
H AND TULARE STS., Fresno. Roof platform.
Owner—California Packing Co., 2301 Fresno St., Fresno.
Architect—None.
Contractor—D. D. Mancill, 703 Palm St., Fresno. COST, $3500

DWELLING AND GARAGE
LOTS 31 AND 32 BLK 10, Fresno Heights, Fresno. Dwelling and garage.
Owner—W. R. Ralls, 125 Modoc St., Fresno.
Architect—None.
Contractor—S. L. Shook, Fresno COST, $5000

DWELLING AND GARAGE
LOTS 22 AND 23 BLK 2, Olivette Park, Fresno. Frame dwelling and garage.
Owner—A. B. Knapp, Forsyth Bldg., Fresno.
Architect—None.
Contractor—J. B. Hart, 3667 Grant St., Fresno. COST, $1500

FRAME DWELLING
LOTS 7 AND 8 BLK 27, Hazelwood. Frame dwelling.
Owner—G. Terzian, 2330 Santa Clara St., Fresno
Architect—None.
Contractor—M. H Melekian, 2122 S. Cherry St., Fresno. COST, $780

FRAME DWELLING
BLK 11, Hazelwood, Fresno. Frame dwelling and garage.
Owner—W. A. Sloan, 3354 Lyell St., Fresno.
Architect—None.
Day's work. COST, $3000

FRAME DWELLING AND GARAGE
LOTS 5 AND 6 BLK 19 North Park Terrace, Fresno. Frame dwelling and garage.
Owner—F. W. Bagley, 918 J St., Fresno
Architect—None.
Day's work. COST, $5500

DWELLING AND GARAGE
LOTS 16 AND 17 BLK 1, Dudley Park, Fresno. Dwelling and garage.
Owner—G. W. Wilkinson, Fresno
Architect—None.
Day's work. COST, $3000

DWELLING AND GARAGE
LOTS 17 AND 18 BLK 9, College Addition, Fresno. Frame dwelling and garage.
Owner—Carl Olsen, Fresno.
Architect—None.
Day's work. COST, $500

### COMPLETION NOTICES.

#### Fresno County.

Recorded Accepted
Mar. 22, 1920—LOTS 18, 19 BLK 3 Donahoo Addition and Lots 18 and 19 Blk 1, Dean Addition, Fresno. John L Hagan to whom it may concern.....March 22, 1920
Mar. 20, 1920—LOTS 5 AND 6 BLK 2, Fresno Home Builders Palm Villa Tract, Fresno. Fresno Home Builders to whom it may concern..... .....March 16, 1920
Mar. 17, 1920—LOTS 29, 30 BLK 1 Oakwood, Fresno. H W Harmon to whom it may concern.Mar. 17, '20

### NOTICE OF NON-RESPONSIBILITY.

#### Fresno County.

Mar. 23, 1920—LOTS 19, 20, 21 BLK 1, Forthcamp Add No. 2, Fresno. Ernest A Forthcamp as to improvements on leased property...
Mar. 19, 1920—E ½ OF SW ¼ OF NE ¼ of Sec. 6, 21-15, Fresno. Carl W Mueller as to improvement on leased property.....

### LIENS FILED.

#### Fresno County.

Recorded Amount
Mar. 20, 1920—LOT 42 S 18½ Lot 43 Blk 2, Hazelton Addition, Fresno. Fresno Lumber Co vs Mike and Rose Romeo .....$506

## BUILDING CONTRACTS.

### Sacramento County.

ALTERATIONS
NO. 923 K ST., Sacramento. Remodel store.
Owner—E. Wahl.
Architect—None.
Contractor—Wm. T. Murcell, 527 Ochsner Bldg., Sacramento.
COST, $12,000

WAREHOUSE
NO. 1030 R ST., Sacramento. One-story brick warehouse.
Owner—Carlaw Bros.
Architect—None.
Contractor—W. T. Murcell, 527 Ochsner Bldg., Sacramento.
COST, $20,900

ALTERATIONS
NO. 927 K ST., Sacramento. Remodel two-story brick building.
Owner—Cronan & O'Connor, San Francisco.
Lessee—General Cigar Co.
Architect—None.
Contractor—Standard Constr. Co., 639 Call Bldg., San Francisco.
COST, $20,000

REPAIRS
NOS. 817-819 SEVENTH ST., Sacramento. Fire repairs.
Owner—Geo. Swanson, Riverside Road, Sacramento.
Architect—None.
Contractor—A. W. Norris, 3012 G St., Sacramento. COST, $1750

ALTERATIONS
NO. 2605 PORTOLA WAY, Sacramento. Remodel basement and garage.
Owner—A. L. Johnston, Premises.
Architect—None.
Day's work. COST, $1000

DWELLING AND GARAGE
NO. 2210 FOURTH AVE., Sacramento. One-story 6-room frame dwelling and garage.
Owner—E. E. Michael, 2323 3rd Ave., Sacramento.
Architect—None.
Contractor—W. L. Chatterton, 2111 28th St., Sacramento.
COST, $5200

DWELLING & GARAGE
NO. 1022 THIRTY-EIGHTH ST., Sacramento. Two-story eight-room frame dwelling and garage.
Owner—W. F. Brand, 2950 22nd St., Sacramento.
Architect—None.
Day's work. COST, $8500

## BUILDING CONTRACTS.

### San Joaquin County.

BUILDING
W 59 FT. LOT 6 AND W 59 FT. OF S ½ of lot 5, blk. 20, Lodi. Building.
Owner—J. P. Gilbeau, 106 N Sacramento St., Lodi.
Architect—None.
Contractor—F. G. Gary and E. C. Cary, Lodi.
COST, $37,313

RESIDENCE
N HUNTER ST. bet. North and Walnut, Stockton. Frame residence.
Owner—Dr. Dewey R. Powell, 103 Bennett Apts., Stockton.
Architect—None.
Day's work. COST, $14,000

RESIDENCE
SONOMA AND SUTTER STS, Stockton. Residence.
Owner—Stockton Land Co., 323 E Weber, Stockton.
Architect—None.
Day's work. COST, $4250

REMODEL
NO. 1431 S SAN JOAQUIN ST., Stockton. Remodel.
Owner—C. Olsen, Stockton.
Architect—None.
Day's work. COST, $3000

REMODEL
E MAIN ST. bet. El Dorado and Hunter, Stockton. Remodel building.
Owner—W. W. Stockwell, 113 E Main St., Stockton.
Architect—None.
Day's work. COST, $1156

GARAGE
NORTH SUTTER bet. Miner Ave and Channel St. Public garage.
Owner—Hudson Smythe, Stockton.
Architect—None.
Day's work. COST, $18,000

## COMPLETION NOTICES.

### San Joaquin County.

Completed Accepted
Mar. 19, 1920—N ½ OF E 60 FT. LOT 5 Blk 2, Lodi. Adelaide Benson to O M Harriman.....Mar. 13, 1920

# Official Proposals.

## BIDS WANTED FOR KITCHEN EQUIPMENT.

Your attention is invited to the fact that proposals will be opened in the near future on drawings and specifications No. 4097, covering Kitchen Equipment for six Barracks Buildings, Marine Corps Base, San Diego, California.

The drawings and specifications may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, 12th Naval District, Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The six kitchens are to be provided with modern and adequate equipment, which is to be properly installed and connected to steam, gas, vent, water, waste and drip services.

The estimated cost is $22,000.00.

Yours truly,
R. L. MORTON,
Lieutenant Commander (CEC), U. S. N. By direction of the Public Works Officer.

## NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned **until 2 o'clock P. M., April 19, 1920,** for the erection of two Pratt truss highway spans with timber trestle approach and control wier complete over the Virgin River near Bunkerville in Clark County, Nevada.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the county clerk's office in Las Vegas. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

## BIDS WANTED FOR MEMORIAL BUILDING.

### NOTICE TO BIDDERS.

NOTICE is hereby given that the Board of Capitol Commissioners, Carson City, Nevada, will receive bids for the following items in the construction for a "Heroes Memorial" Building at Carson City, Nevada, according to official plans and specifications on file with said Commission and the State Architect's Office, Reno Nevada, viz:

1. General construction.
2. Plumbing and heating.
3. Oil equipment.

The Drawings and specifications may be secured at the office of F. J. De Longchamps, State Architect, 334 Gazette Building, Reno, Nevada.

A deposit of $10.00 will be required for each set of drawings and specifications taken from the Architect's Office.

Bids will be received at the office of the Secretary of Board of Capitol Commissioners, Carson City, Nevada, not later than **10 A. M., on April 19, 1920.**

All bids shall be sealed in opaque envelope and addressed to Board of Capitol Commissioners, Carson City, Nevada, and marked "Bids for Heroes Memorial Building." Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the amount of the bid.

The Board of Capitol Commissioners reserves the right to accept or reject any or all bids.

Authorized this 16th day of March, 1920, by the Board of Capitol Commissioners, Carson City, Nevada.

HOMER MOONEY,
Clerk of Board of Capitol Commissioners.

## NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned until **2 o'clock P. M., April 5, 1920,** for the construction of a State Highway from Washoe Summit to 0.65 miles south of Steamboat. Construction will consist of the preparation of subgrade and laying of concrete pavement.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned. May also be examined at the County Clerk's office in Reno. Cash deposit of $15.00 with undersigned required for copy of plans which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department and accompanied by certified check in the amount of 5% of the bid. Right is reserved to reject any or all bids.

Carson City, Nevada.

C. C. COTTRELL,
State Highway Engineer.

## NOTICE TO CONTRACTORS.

### SAN GABRIEL ROAD.

SEALED PROPOSALS for constructing or improving the San Gabriel National Forest Road Project, located within or partly within the Angeles National Forest, State of California, County of Los Angeles, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Building, San Francisco, California, **until 2 o'clock P. M., on the 5th day of April, 1920,** at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The length of the project to be constructed or improved is approximately 1.4 miles, and the principal items of work are approximately as follows:

Clearing and Grubbing, 69 stations.
Excavation (unclassified) 63,751 cu. yds.
Finishing earth road, 1.39 miles.
Concrete, 97 cu. yds.
Reinforcing steel, 5,340 lbs.
Cement rubble masonry, 763 cu. yds.
Corrugated metal pipe, 314 lin. ft.

The work embraced in this contract shall be completed within 160 weather-working days. (Page 6, Specifications).

The contract form and the maps, plans, specifications and estimate of quantities may be examined by responsible contractors at the following addresses:

886 Mills Building, San Francisco, California.

After March 20, 1920, Forest Supervisor, 625 Federal Bldg., Los Angeles, California.

All proposals must be made on forms furnished by the District Engineer, Bureau of Public Roads, in accordance with instructions forming a part of the specifications above referred to.

C. H. SWEETSER,
District Engineer.

## BIDS WANTED FOR CONSTRUCTION OF HIGH SCHOOL.

### NOTICE TO BIDDERS.

THE BOARD OF TRUSTEES of the Lassen Union High School will receive sealed proposals **at or before 8 P. M., Wednesday, April 7, 1920,** at the Lassen Union High School at Susanville, California, at which time and place bids will be opened and read in public for

furnishing the required labor and material for erecting and completing the proposed Gymnasium and Classroom Building, at Susanville, California, in accordance with plans and specifications prepared by John Galen Howard, Architect, and Ralph D. Taylor, Associate First National Bank Building, San Francisco, California. Bids will be received separately for the following contracts:

1. GENERAL CONTRACT FOR BUILDING.
2. PLUMBING.
3. HEATING
4. ELECTRIC WIRING.

All bids must be accompanied by a certified check for 10% or more of the amount of proposal. In case this proposal is accepted, in whole or in part, and the bidder fails to execute a contract for the performance of said work, and a bond with sufficient sureties in 50% of the amount of the contract to secure the faithful performance thereof, within 15 days after such acceptance, then this certified check shall be retained by the Board of Trustees of the Lassen Union High School as liquidated damages for the failure to carry out this proposal. Such contract and bond shall be in such form and of such contents as shall be satisfactory to the Board of Trustees of said High School.

All bids to be made out on form furnished by Architect.

Plans and specifications may be obtained from John Galen Howard, Architect, First National Bank Building, San Francisco, or Ralph D. Taylor, Associate, Gay and Court Streets, Susanville, California.

A deposit of $10 will be required from all contractors receiving plans—said deposit to be refunded when plans and specifications are returned in good condition.

The Board of Trustees reserves the right to reject any or all bids and to waive any informality in any bid received.

By order of Board of Trustees Lassen Union High School, Susanville, California.

By JULIA A. NORWOOD.
Clerk

Dated March 16, 1920.

## STATE OF CALIFORNIA.

## DEPARTMENT OF ENGINEERING.

## CALIFORNIA HIGHWAY COMMISSION

## NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 12,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Yolo County, between Woodland and Zamora (III-Yol-7-B), about 10.7 miles in length to be paved with Portland cement concrete.

Shasta County, between Southerly Boundary and Redding, (II-Sha-3-A), about 15.7 miles in length to be paved with Portland cement concrete.

Fresno County, between Oil King School and Huron Road, (VI-Fre-10-E), about twelve (12) miles in length to be paved with Portland cement concrete.

Santa Cruz and Santa Clara Counties, between Glenwood and Los Gatos, (IV-S.Cr.-5-A & S.Cl.-5-E), about 13.6 miles in length, to be paved with Portland cement concrete.

Humboldt County, between Dyerville and Fortuna, (I-Hum-1-D.E & F), about 25.2 miles in length, to be paved with Portland cement concrete.

San Diego County, between Flinn Springs and Ogden Ranch (VII-S.D.-12-C & D), about 11.3 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary

Dated March 15, 1920.

## BIDS CALLED FOR EXTENSION TO BUILDINGS AT GUAM.

Drawings and Specification No. 4141 covering Extensions to Power Houses, Pump House, Blower House and Quarters, Naval Station, Guam, M. I.

Attention is invited to the fact that proposals will be opened on the work mentioned above in the near future.

The drawings and specification may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, Navy Yard, Mare Island, Calif., by placing a deposit of twenty dollars ($20.00) as security for their safe return within five days after the award of the contract.

The power house extension at Agana will have concrete foundations and floor, steel frame, exterior walls and roof of galvanized corrugated steel, steel sash and metal covered doors. The extension to the power house at the Radio Station will have concrete frame, concrete walls, composition roofing and steel sash. The quarters will have concrete frame, metal lath and cement mortar walls, composition roofing, wood sash and doors, wood floor and interior finish. The pump house and the blower house will be similar to the extension to the power house at the Radio Station.

The estimated cost is $50,000.00.

R. L. MARTIN,
Lieut. Commander, (CEC), USN.,
By direction of Public Works Officer.

## NOTICE TO CONTRACTORS.

Pursuant to an order of the Board of Education of the Fresno City High School District, duly passed and entered in its minutes of February sixteenth, Nineteen Hundred Twenty, notice is hereby given that said board will receive sealed proposals for the following branches of work:

1. Carpentry work.
1. (a) Alternate bid on No. 1 clear maple flooring where pine is specified.
2. Concrete and cement work.
3. Reinforced steel work.
4. Structural steel work and miscellaneous iron.
5. Ornamental iron work.
6. Brickwork.
7. Lathing.
8. Plastering.
9. Modelling.
10. Millwork.
11. Roofing (composition).
12. Roofing (tile).
13. Plumbing.
14. Heating and ventilating.
15. Electrical work.
16. Ceramic tile work.
17. Patent toilet partition work.
18. Patent sash hardware.
19. Time clocks.
20. Telephone.
21. Blackboards.
22. Sheet metal work.
23. Painting.
24. Patent folding partitions.

In connection with the following buildings, which comprise the Fresno City High School Group:

(a) Academic Building, including Auditorium and connecting arcades and Power house.
(b) Arts Building.
(c) Science Building.
(d) Gymnasium Building.
(e) Shops Building.
(f) Music Building.
(g) Agricultural Building.

Plans and specifications are on file with secretary of said board. Copies may be obtained at the office of R. F. Felchlin Company, 300 Bank of Italy Building, Fresno, Calif.

All bids must be in the hands of J. R. Fontaine, Secretary, Board of Education, Fresno City High School District, at his office in the High School Building, Fresno, California, before five (5) p. m. on April eighth, Nineteen Hundred Twenty.

A certified check equal to ten per cent of the total amount of bid submitted, must accompany the proposal.

No bids will be considered unless submitted on uniform proposal blank provided for that purpose.

The board reserves the right to award any branch of the work, either as a whole for all buildings of the group, or as a whole for as many buildings of the group as may be built, or for each building of the group, separately.

The board further reserves the right to reject any or all bids.

All bids must be sealed and name of bidder and branch of work must be marked on outside of envelope.

BOARD OF EDUCATION,
Fresno City High School District.
J. R. Fontaine, Secretary.

## NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 M., Tuesday, April 13, 1920,** said bids to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete furnishing and installing of Two Gearless Traction Passenger Elevators in the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefor, copies of which specifications may be obtained on application to the State Department of Engineering, Sacramento, California; full detailed plans of this building may be seen at the offices of Bliss and Faville, Architects, Balboa Building, San Francisco, California.

Said bids must be submitted on forms furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

(SIGNED) W. F. McCLURE.
State Engineer.

## PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco, March 27, 1920.

Sealed proposals will be received at this office between the hours of 2 o'clock P. M., and 3 o'clock P. M., on **Wednesday, the 7th day of April, 1920,** for the construction of a School to be erected on the north side of Harrison street between Tenth and Eleventh Sts.

Progressive payments will be made.

Said work must be done in accordance with the specifications or plans and specifications therefor on file in the office of the Board of Public Works, to which reference is hereby made, and must be commenced within five (5) calendar days and completed within three hundred and thirty (330) calendar days from the date of the contract to be made and entered into therefor.

The amount of bond for faithful performance of contract has been fixed at $27,000.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the Order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Bureau of Architecture, Room 265 City Hall, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works. W. J. FITZGERALD,
Acting Secretary.

# Building & Engineering News

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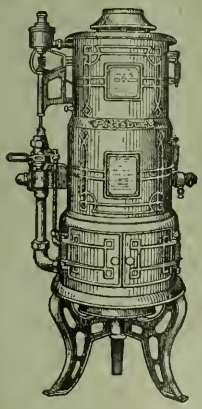

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Relations with Other Organizations ..... R. M. BEANFIELD

**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

Chapter Office — 700 Marston Building — 244 Kearny St., San Francisco

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Sacramento - - California

**LOS ANGELES CHAPTER**
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**L. A. LARSEN, Publisher.**
**J. P. FARRELL, Managing Editor.**

Twentieth Year | San Francisco, Cal., April 7, 1920 | Number 13

# EDITORIAL

## ENGINEERING DIVISION, AIR SERVICE, INSTALLS NEW TEST FURNACE AT SHELBY

The Material Section, Engineering Division, Air Service, is supervising a test of the Government furnace at Shelby, Ohio. This furnace was installed during the war for the purpose of heat treating steel tubing in quantities for airplane construction, but was not completed until very recently. It is now completed and undergoing a series of tests to determine the feasibility of producing heat- treating steel seamless tubing of very high tensile strength and elastic limit, to particularly meet Air Service Specification for axle tubing.

The furnace, located at the plant of the Ohio Seamless Tube Company is 7 feet in diameter and 22 feet deep, electrically heated and automoaically controlled so as to give constant temperature within very narrow limits. The tubing is lowered into the furnace, which is sunken so that the top of the furnace is level with the floor, in a steel container, (capacity of 1,-152 ft. of 2" tubing) by means of a crane. On reaching the required heat the container with its cargo is hoisted out of the furnace, transported over the quenching tank where the bottom of the container is opened and the steel tubing, at the quenching temperature, is allowed to drop into the oil bath.

The tempering operation is conducted in a similar manner, except that the maximum temperature of the tubing in the furnace is, of course, lower than it was for the quenching operation. These temperatures run approximately 1400o to 1600o F., for the quenching operation and 400o to 1000o for the tempering operation, depending on the quality of steel used, etc.

This furnace will be used principally for the heat-treating of allow steel tubing with special reference to the tubing used in axles. Up to the present time no axle tubing has been produced in quantities which will meet the requirements of Specification No. 10,229 calling for 200,000 lbs. tensile strength with five per cent elongation in two inches.

## UNLOCKING THE GREAT LAKES

To appreciate the probable importance of a deep waterway from the great lakes to the sea it is necessary to have some idea of the phenomenal growth of commerce on the great lakes. In 1850 the entire volume of freight on the great lakes amounted to about 25,000 tons, carried by a handful of small-draft vessels. In 1916 there were 37,852 passages of vessels through the Detroit river, with a registered tonnage of over 76,000,000. carrying 100,000,000 tons of freight of an estimated value or something over $1,000,000,000. These totals were slightly reduced in 1917 and 1918, owing to causes arising out of the war, but there are already indications that they will be greatly exceeded within the next few years. What proportion of this enormous traffic, many times greater than that annually passing through the Suez canal, would find its way to and from the seaboard by way of the St. Law rence is a moot point on which there are very wide difference of opinion. But as a large percentage of both eastbound and westbound traffic is at present subject to transshipment at Buffalo and other ports on the lower lakes, there would seem to be more than sufficient traffic available for a route that would enable shipments to be made without breaking bulk to offset the cost of the proposed waterway.—The Review.

April 2nd, 1920

Building and Engineersing News,
San Francisco:
Gentlemen:

It is with great interest that I read in your paper the initial criticism of Mr. Cousins relative to the meetings of the San Francisco Chapter of the A. A. E. This interest is particularly strong for **two** reasons. A little over a year ago I brought up the matter, at one of the meetings, of having a regular business meeting—instead of the type of meetings then held. Without wishing to criticize any one—the meetings in those days were not only uninteresting, but were not even well attended and this at a time when our chapter was in its infancy. Since then I may state that not only have I reversed my opinion, but it also clearly shows what the members really want.

May I take the liberty of impressing upon both Mr. Cousins and Mr. Whipple the fact that the chapter has committees for almost everything (even including publicity), and that anything the members wish to bring forward should be brought to the attention of the chairman of the respective committee. The monthly meeting should not be used for a discussion of "wages and working conditions," and we should remember that the A. A. E. stands for lots more than merely increasing salaries. "Raising the ethics of the Engineering Profession" means lots more to many of us than the salary question, and we should attempt to educate and broaden ourselves by means of these monthly meetings.

One can hardly call the wish to commend our President or who ever has been responsible for the program of meetings up to but not including that of April 1st. I most heartily agree and concur in everything Mr. Wollner says in your issue of March 31st. After the meeting of April 1st, not one, but five members of the S. .F. Chapter came to me and told me that should another meeting—so-called business meeting—occur like the one just held, they would not attend. It is needless to speak about not only some of the subjects brought up at this meeting, but I really blush to think that engineers could give voice to some of the arguments that **were** given.

The wonderful **inerensing** attendance that has taken place in the S. F. Chapter meetings is some thing which has not only astounded me, but last meeting an occasion to "broaden" oneself and consequently I, for one, and many of my associates, who are members of the chapter, hope to have the program as we had in January, February and March continued.

Sincerely yous,
HERBERT I. BENJAMIN,
1035-65 Market St., S. .F.

Building and Engineering News,
San Francisco, Calif.

Gentlemen: Your issue of March 17 and March 31st contain public letters of Mr. Cousins and Mr. Whipple, who go on record as condemning the policy of the proceedure of meetings held by the S. F. Chapter, A. A E. I was unfortunate enough to attend the meeting held April 1st, and trust that the two writers will explain what was accomplished by their meeting other than a sincere disgust by most of the members present. I cannot commend highly enough the programs for the three meetings which they condemn, and trust, that in the remaining eight meetings for 1920, that not another meeting such as took place April 1st, will occur. As for the important events that are taking place both writers and anyone else wishing the attention of the chapter, could just as well take up the matters they wish through the respective committess without exerting themselves with "soap-box" oratory at the expense of the one meeting a month of the chapter.

L. E. JOHNSON

# American Association of Engineers

## S. F. CHAPTER, A. A. E.

### Report of Business Meeting of April 1, 1920.

The regular business meeting of the San Francisco Chapter on April 1st was devoted to a general discussion by the members on matters affecting the policy of the local chapter. Three distinct topics were considered as follows:

(a) Is it to be the established practice to rush through resolutions of approval or disapproval of matters coming before the chapter for endorsement?

(b) The advisability of amending the constitution to permit section chairmen to be ex-officio members of the Executive Board?

(c) The continuance of the practice of dsvoting a portion of each evening to hearing a lecture on subjects somewhat foreign to the purpose of our organization when there are a great many local problems, requiring discussion and the formulation of individual and collective opinions, being neglected by us, and which we are in duty bound to consider as engineers and as citizens.

The reading of the minutes of the previous meeting, reports of committees and other procedures usually followed at a regular meeting were dispensed with and the decks were cleared for a forensic encounter between the opposing elements. The queer result of all of the discussion was that no motions were passed on the direct issues presented. An observer would have noted that most of the members favored more deliberate action on important resolutions, and were not in sympathy with the factions of the body in hurriedly passing the recent Hetch Hetchy resolution without giving more careful consideration to the interpretation which might be given the resolution by the general public. It was explained that the resolution did not refer to the original project, but did endorse Mr. O'Shaughnessy and urged the municipal authorities to drive on and complete the project which the people had endorsed at a previous election. The question as to whether the original water project was or was not a good thing for the city was not under discussion, but only whether the will of the people should be thwarted by certain Supervisors taking advantage of a technicality to wreck the entire project or at least embarrass the city financially. It is improbable that resolutions in the future will have such easy sledding, and this will be good for the association in more ways than one.

The vote had been cast on the constitutional amendment, so only a post mortem could be held. With one exception all speakers were against the amendment, and it is probable that a new amendment will be passed soon to restore the constitution to its original form. It was pointed out that sections were formed primarily to enable engineers in the employ of a concern to present group requests for improvements in their compensation schedule and working conditions, utilizing the chapter as a strong factor in moulding the opinion of the public and in negotiating for the ends desired; but that sections have no broad functions like the chapter and need have no direct voice on the executive committee. It was also brought out that additional sections are forming now and soon the executive committee would be dominated by section leaders, thus giving an undue weight to the members of the sections. One member implied that it was desirable to have the sections advised by the president of the section on the activities of the chapter, and that the section head would be in a better position by being on the executive committee. Another member preferred to have the section members attend the chapter meetings and see what is going on rather than send a delegate. All in all the amendment was not popular last meeting night, although it may or may not have actually passed.

Aside from the president and one member none cared to defend the practice of devoting a share of each business meeting to hearing speeches on subjects somewhat foreign to engineering economics and engineering social service. Most speakers at the last stormy session indicated a desire to have important local and national questions debated, and resolutions of action or endorsement taken after a full discussion. They felt that the citizens of this community will be glad to have our collective advice on engineering matters acecting the welfare of this community. The giving of this advice will react favorably on all engineers. Their value to society will be recognized and certainly the rewards to the engineers will be increased. Our society can take the lead and soon the engineering profession will flock to our colors when they know we are doing real constructive work for the profession and the community. All speakers stated that while they enjoyed immensely the previous lectures, they feared we were losing more as an association than we were gaining as individuals.

One resolution—to have our chapter go strong on record against the practice of young engineer employees working at night for the consulting engineer's clients at reduced fees—was referred to the ethics and compensation committee for report and recommendation.

Another resolution, to have the executive committee put topics for discussion before the house each meeting was referred to the latter for action.

The program committee reported that the first Thursday in May the chapter will give a dance in Berkeley and all will be notified in time to attend.

The executive committee will consider the advisability of staging a nonpartisan political meeting to be addressed by speakers favoring the various candidates for President of the United States.

A committee was appointed to consider the formation of sections of state and local civil service employees.

V. D. COUSINS.

## OUR APRIL MEETING.

A very successful and instructive meeting was held on the first of April by the S. F. Chapter. The meeting must be called successful because it had more than a good attendance, and the opportunity given to the members to get on their own feet and talk on the matters that were nearest and dearest to their heart. It also proved successful in this respect, that members who did not talk, after the meeting was over expressed themselves to the effect that it was the kind of meeting they liked to attend and listen to their own fellow engineers vent their own opinion and discuss their own problems.

The meeting was instructive in that it showed that not ten per cent of the engineers know how to conduct a discussion or dispose of a problem outside of their own particular field. The meeting showed clearly that the engineer needs a whole lot of meetings of this kind, that he may develop all his latent faculties and capacities for conducting a meeting and discuss the economic problems of the day with both profit to himself and his profession and lasting benefit to the public at large, and his own community in particular.

—Editor.

## NEWS FROM NATIONAL HEADQUARTERS.

The American Association of Engigineers had 14,620 members and 4,820 applications pending on March 24.

The American Association of Engineers has granted a chapter charter at Long Beach, California.

As a result of the representations of the American Association of Engineers before the Interstate Commerce Commission hearing on March 15 and 16, regarding the classification of professional engineers in railroad service with reference to representation on the Railroad Labor Board, provided by the Transportation Act, the Commission has conceded the justness of the claims made by the association and has declared that professional engineers in railroad service below the grade of chief engineer, engineer of maintenance of way and division engineer, and "other engineers who are not vest-

(Continued on Page 24)

# ADVANCE NEWS
## Official Proposals, Etc.

## BUILDING.

### APARTMENT HOUSES.

Completing Plans.
APARTMENTS Cost, $125,000
SACARMENTO, Cal.—N Street facing State Capitol Park, 80x160.
Four-story apartment house (60 apts.)
Owner—G. Willard Miller and Howard Diehl.
Architect—Jens C. Petersen, Peoples Savings Bank Bldg., Sacramento.
Segregated figures will be taken in about 60 days.

Contract Awarded.
STORES & APARTMENTS Cost, $——
SOUTH SAN FRANCISCO, San Mateo Co., Cal. SE Maple and Grand Avenues.
Two-story brick (2) stores and apartments, 50x100.
Owner—E. C. Peck Investment Co., So. San Francisco, Cal.
Architect—None.
Contractor—R. C. Stickle, South San Francisco, Cal.

Contract Awarded.
APARTMENTS Cost, $35,000
BAKERSFIELD, Kern Co., Cal. 27th and Chester Streets.
Two-story concrete apartments.
Owner—F. G. Fulton & wife, Bakersfield.
Architect—Not Given.
Contractor—C. D. Brown, 1660 F St., Bakersfield.

Contract Awarded
APARTMENTS Cost, $104,000
SAN FRANCISCO. Geary Street bet. 16th and 17th Avenues.
Six two-story and basement frame and plaster apartment houses, 4 apts. in each building of 4 and 5 rooms.
Owner—A. Haase, 431 Folsom St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Meyer Bros., 2628 Anza.

Completing Plans. Segregated Figures to be Taken in Two Weeks.
APARTMENTS Cost, $65,000
OAKLAND, Alameda Co., Cal. 14th and Webster Streets.
Four-story brick apartment house (20 2-room apts.)
Owner—Mr. Auzerais.
Architect—Maury I. Diggs, Union Savings Bank Bldg., Oakland.

Completing plans. To be Done by Days Work.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. Larkin Street near California Street.
Alter three-story frame apartment house (alter exterior and interior and install heating system).
Owner—Mr. Berg.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Work will be started within a week.

Plans Ready for Figures.
APARTMENTS Cost, $40,000
SAN FRANCISCO. California St. near Gough St.
Three-story and basement frame and plaster apartment house (6 and 7 room apts. with 3 bathrooms each.)
Owner—California Investment Co., 593 Market St., San Francisco.
Architect—E. J. Osborn, 821 Phelan Bldg., San Francisco.

### BANKS

Sub-Contracts Awarded.
BANK BUILDING Cost, $72,000
SANTA ROSA, Sonoma Co., Cal.
One-story reinforced concrete and terra cotta bank building.
Owner—Savings Bank of Santa Rosa, 4th and Exchange Sts., Santa Rosa.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—Chas. W. Heyer Jr., 504 Wells Fargo Bldg., San Francisco.
Mr. Heyer Jr., has awarded the following sub-contracts.
**Architectural Terra Cotta** to N. Clark & Son, 116 Natoma St., San Francisco.
**Roof Tile** to Gladding, McBean Co., Crocker Bldg., San Francisco.
**Interior Cabinet Work** to Corlett Planing Mill, Santa Rosa.
**Marble Work** to Ray Cook Marble Co., 40th and Grove Sts., Oakland.
**Tile** to Rigney Tile Co., 2148 Telegraph Ave., Oakland.
**Reinforcing Steel** to Badt & Falk, New Call Bldg., San Francisco.
**Electric Work** to Clark C. Van Fleet, 642 4th St., Santa Rosa.
**Painting** to J. Turgeon, 470 20th St., Oakland.
Plastering, plumbing and steel metal work to be awarded in a few days.

Figures to be Called For in About Six Weeks.
BANK Cost, $70,000
REDDING, Shasta Co., Cal.
Two-story Class "C" bank, 50x76.
Owner—The Northern California National Bank, Redding.
Architect—M. G. West Co., 385 Market St., San Francisco.

Ready For Figures in About a Week.
Alterations Cost, $100,000
MODESTO, Stanislaus Co., Cal. SE Tenth and "I" Streets.
Extensive alterations to three-story brick bank and office building, remodel interior of offices, install new banking quarters in first floor.
Owner—The Modesto Bank, 1001 "I" St., Modesto.
Architect—H. H. Winner, Nevada Bank Bldg., San Francisco.

### BONDS.

CHINO, San Bernardino Co., Cal.—Bonds have been voted for the erection of three new school buildings at Chino. Withey & Davis, 3215 West Sixth St., are the architects. There will be a new auditorium and additions at the high school to cost $71,000; a new grammar school at the George Jr. Republic to cost $47,000; and a new gymnasium and pool to cost $31,000.

PARADISE, Butte Co., Cal.—Bids received by the Directors of the Paradise Irrigation District for the purchase of the $140,000 bond issue have been rejected and new bids will be called for.

IMPERIAL, Imperial Co., Cal.—Bonds to amount of $75,000 for resurfacing improved streets, and $45,000 for paving certain streets will be sold by the City Trustees on April 14.

ALAMEDA, Alameda Co., Cal.—Steps are being taken by the City Council to call an election to decide the question of issuing and selling bonds of $130,000 with which to finance the rehabilitation of the north side sewer built 30 years ago. C. E. Hewes is City Manager.

ONTARIO, San Bernardino Co., Cal—The $35,000 bond issue for improved fire protection carried at the special election.

EMPIRE, Stanislaus Co., Cal.—Bonds of $63,000 have been voted in the Empire School District to finance construction of a new grammar school building.

HUNTINGTON PARK, Orange Co., Cal.—An election will be held April 16 to vote on issuing $200,000 bonds for additions and improvements to the high school. Hanford D. Turner, Mrs. Anna C. Geck, Tim Hartnett, Ralph L. Ray and Carl S. Hornaday, Trustees.

LONG BEACH, Los Angeles Co., Cal.—The Long Beach Chamber of Commerce will ask all civic organizations to join in a movement to submit a bond issue to raise about $400,000 to buy a site and $600,000 to erect a building as a war memorial. The proposed building would contain an auditorium and quarters for the several civic bodies of the city.

TWO ROCK SCHOOL DISTRICT, Sonoma Co., Cal.—The election held in the Two Rock School District to decide the question of issuing bonds of $28,000 with which to finance construction of a new school building failed to carry.

Plans were to be prepared by Architect Ernest L. Norberg, Bankers' Investment Bldg., San Francisco.

SAN JUAN, San Benito Co., Cal.—Bonds with which to finance the construction of sewer improvements were voted at a recent election.

CALISTOGA, Napa Co., Cal.—Bonds of $66,000 have been voted to finance construction of a new high school building.

TRACY, San Joaquin Co., Cal.—April 12th is the date set by the City Council, Geo. L. Frerichs, Clerk, to decide the question of issuing and selling bonds of $15,000 with which to purchase and install an electrolier system in portions of Central avenue, Sixth and Eleventh streets and the City park.

MODESTO, Stanislaus Co., Cal.—The City Council has sold the $289,000 bond issue to finance various municipal improvements, including streets, sewers, etc.

ONTARIO, San Bernardino Co., Cal.—A bond issue of $275,000 has been recommended by citizens at a mass meeting for additions and improvements to Chaffey Union High School at Ontario. Ed C. Hardwood is president of the high school board. Merton E. Hill is principal.

LONG BEACH, Los Angeles Co., Cal.—John D. Seerie, Commissioner of Public Works, announces he will ask the City Commission to call an election in June to vote on issuing $500,000 bonds for a storm drain system.

TUCSON, Ariz.—The city will vote on issuing $140,000 bonds for improvements to the water system, including the removal of the standpipe to the north side installation of booster pumps and for laying new mains and installing fire hydrants.

MADERA, Madera Co., Cal.—Bonds for the erection of a new grammar school building in the eastern section of the city were voted at a recent election.

Preliminary plans for the structure, prepared by Architect Thos. B. Wiseman of Bakersfield, have been approved by the School Board.

## CHURCHES.

Plans Being Figured.
CHURCH Cost, $——
BAKERSFIELD, Kern Co., Cal.
Two-story and basement brick church.
Owner—Cherbro Memorial M. E. Church.
Architect—Arthur G. Lindley, Hollingsworth Bldg., Los Angeles.
Plans may be obtained from J. H. Thornberg, 942 Baker St., Bakersfield.
Brick will be furnished to contractor.

Contract Awarded. Contractor's to Take Sub-Figures Next Week.
CHURCH. Cost, $30,000
OAKLAND, Alameda Co., Cal. Tenth and Bruch Streets.
One-story reinforced concrete church.
Owner—Greek Church.
Architect—Clay N. Burrell, 1st Savings Bank Bldg., Oakland.
Contractor—Palmer & Petersen, Monadnock Bldg., San Francisco.

Plans Being Prepared.
CHURCH Cost, $80,000
SOUTH SAN FRANCISCO, San Mateo County.
Class "C" brick and frame church with bell tower.
Owner—St. Paul's Methodist Episcopal Church, Daniel W. Stevens, Pastor.
Architect—Carl Werner, Humboldt Bk. Bldg., San Francisco.

Sketches Prepared.
CHURCH Cost, $——
BAKERSFIELD, Kern Co., Cal.
Rebuild brick church (destroyed by fire).
Owner—First Presbyterian Church (Dr. Willis G. White, Pastor).
Architect—John Galen Howard, 1st National Bank Bldg., San Francisco.
E. K. Martin of Bakersfield has also prepared sketches.

Plans to be Prepared.
CHURCH Cost, $——
SAN FRANCISCO. Bush and Steiner.
Fireproof church.
Owner—Roman Catholic Archbishop. (St. Dominic's Parish).
Architect—Not Selected.

Plans Being Prepared.
CHURCH Cost, $50,000
STOCKTON, San Joaquin Co., Cal.
Fireproof church.
Owner—First Presbyterian Church of Stockton.
Architects—Davis-Heller-Pearce Co., Belding Bldg., Stockton.

Working Drawings Being Prepared.
CHURCH Cost, $——
MONROVIA, Los Angeles Co., Cal. NE Myrtle Ave. and White Oak St.
Brick church.
Owner—Monrovia Presbyterian Church
Architect—H. M. Patterson, 325 O. T. Johnson Bldg., Los Angeles.

## FACTORIES AND WAREHOUSES.

Contract Awarded on a Percentage Basis. To Take Sub-Figures.
CANNERY Cost, $61,000
OAKLAND, Alameda Co., Cal. E-11th St. and 29th Avenue.
One-story reinforced concrete cannery, 100x300.
Owner—H. G. Prince & Co., Premises.
Architect—Maury I. Diggs, U. S. Savings Bank Bldg., Oakland.
Contractor—Palmer & Peterson, Monadnock Bldg., San Francisco.
The contractors will take sub-figures next week.

Contract Awarded.
FACTORY. Cost, $20,000
OAKLAND, Alameda Co., Cal. NW 26th and Adeline St.
One-story reinforced concrete factory building 110x106½.
Owner—Baird-Bailhache Co., 478 Sutter St., San Francisco.
Architect and Contractor—F. A. Muller, Syndicate Bldg., Oakland.
Mr. Muller is taking preliminary subfigures.

Contract Awarded.
CLEANING PLANT Cost, $25,000
FRESNO, Fresno Co., Cal. SW Voorman and Broadway.
Three-story reinforced concrete cleaning plant.
Owner—Bixler Vapor Dry Cleaning Co., 1237 I St., Fresno.
Contractor—Dan Blosser, 3212 El Monte St., Fresno.

Plans Being Prepared.
FACTORY Cost, $65,000
SAN FRANCISCO. 20th Street Bet. Shotwell and Folsom.
One or two-story brick or concrete factory building.
Owner—National Radio Company.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
NOTE:—Only preliminary plans have been prepared and the type of construction has not been decided.

Contract Awarded.
FACTORY Cost, $27,500
SAN FRANCISCO. NE Brady and Otis Streets.
Two-story concrete factory.
Owner—Grace Perego, 109 Montgomery St., San Francisco.
Contractor—J. G. Kincannon, 619 Larkin St., San Francisco.

Plans Being Prepared.
WAREHOUSE Cost, $40,000
SAN FRANCISCO. Sixteenth St. and San Bruno Avenue.
Two-story reinforced concrete warehouse, 88x100.
Owner—Lick School.
Lessee—Simmons Bed Co.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

Plans Being Prepared.
BUILDING Cost, $125,000
SAN FRANCISCO. W Second from Federal Street to South Park.
Four or five-story reinforced concrete building.
Owner—Federal Rubber Co., 1239 Van Ness Ave., San Francisco.
Architect—Architectural Department of Owner, Cudahy, Wisconsin.
A San Francisco architect will be selected to take charge of the construction, etc.

Sub-Figures Being Taken.
MILL & WAREHOUSE Cost, $100,000
SAN FRANCISCO. SW Seventh and Hubbell Streets.
Four-story reinforced concrete rice mill and warehouse.
Owner—Natoma Rice Milling Co., 82 Natoma St., San Francisco.
Engineer & Contractor—J. H. Hjul, 850 Monadnock Bldg., San Francisco.

Plans Prepared.
ALTERATIONS Cost, $6,000
SAN FRANCISCO. SW Clark and Davis Streets.
Alter building (remove partitions, reinforcing floors, etc.)
Owner—Micheletti Estate.
Architect—P. Righetti, 668 Phelan Bldg., San Francisco.
NOTE:—It has not been decided whether work will be done by days labor or contract.

## FLATS.

Contract Awarded.
FLATS Cost, $13,000
SAN FRANCISCO. NW Folsom and Twenty-sixth Streets.
Two-story and basement frame (3) flats.
Owner—Anna C. Mohr, 2984 Folsom St., San Francisco.

Architects—Mat O'Brien and E. H. Hildebrand, Associate, 68 Post St., San Francisco.
Contractor—Munster & Bornholdt, 1706 Broderick St., San Francisco.

## GARAGES.

Contract Awarded.
GARAGE Cost, $36,000
MODESTO, Stanislaus Co., Cal. 9th St. bet. K and L Streets.
One-story reinforced concrete garage, 150x140.
Owner—C. C. Parks, Modesto, Cal.
Architects & Contractor—Davis, Heller & Pierce, Belding Bldg., Stockton.

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Contract Awarded.
GARAGE Cost, $——
OAKLAND, Alameda Co., Cal. SE 23rd and Broadway.
One-story brick garage.
Owner—Walter Leimert Co.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.
Mr. Muller is taking preliminary sub-figures.

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To Take Figures for Electric Work, Plumbing and gas radiators.
SHOP BLDG. Cost, $——
SAN FRANCISCO. S Geary 160 W Larkin.
One-story brick shop building.
Owner—Leo J. Devlin.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.
Mr. Devlin will take figures next week for electrical work, plumbing and

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Owner to Take Sub-Figures.
GARAGE Cost, $——
HAYWARD, Alameda Co., Cal. Castro Valley near Hayward.
One-story brick public garage.
Owner—R. F. Bucknam, 329 Castro St., Hayward.
Architects—Sidney B. and Noble Newsom, Nevada Bk. Bldg., San Francisco.

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Bids in Contracts to be Awarded Shortly.
REPAIR SHOP Cost, $20,000
SAN FRANCISCO. SE Van Ness Ave. and Olive Street.
One-story and basement brick auto repair shop and store.
Owner—Bothin Real Estate Co.
Architect—John A. Ettler, 604 Mission St., San Francisco.

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Plans Being Prepared.
GARAGE Cost, $50,000 approximately
SAN FRANCISCO. O'Farrell Street.
Three-story reinforced concrete garage (frame to be strong enough for two additional stories) 2 elevators.
Owner—Withheld.
Architect—Paul F. Demartini, 2123 Powell St., San Francisco.

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Plans Being Prepared.
SHOP Cost, $——
OAKLAND, Alameda Co., Cal. Near Hotel Oakland.
One-story brick shop, 20x80.
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

## GOVERNMENT WORK & SUPPLIES.

SAN DIEGO, Cal.—Thos. Haverty Co., Eighth St. and Maple Ave., Los Angeles, was awarded the contract at $189,650 by the Government for constructing steam and electrical distributing systems and power plant equipment for the marine base at San Diego.

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SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, 422 Bell Street Terminal, Seattle, up to 11 a. m., April 26, for furnishing and delivering the following materials on pier, Seattle, under Circular No. 416: Explosives, blasting caps, fuse, leading wire, gasoline and kerosene.

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WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, Washington, D. C., has awarded a contract to Lange & Bergstrom, Sharon Bldg., San Francisco, and Timken Bldg., San Diego, for the erection of 2 kite balloon and 3 seaplane hangars at the San Diego Marine Base, under Specification No. 4087, the bid being $115,327; time for completion, 180 days.

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WASHINGTON, D. C.—Up to April 28th bids will be received by the Bureau of Yards and Docks, Navy Department, under Specification No. 4048 for torpedo and war-head storage at Keyport, Washington, estimated cost, $67,000.

Crane Co., Washington, D. C., is a prospective bidder for this work.

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WASHINGTON, D. C.—Plans for a quartermasters' storehouse at the San Diego Marine Base are being prepared by the Bureau of Yards and Docks, Navy Department, Washington, D. C., and a call for bids will be issued on completion of plans.

The structure is provided for under Specification No. 4157.

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WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing and delivering the following materials, the time of opening bids is noted at end of each paragraph.

Schedule 5838, for Mare Island, 16,000 gallons alcohol, opening of April 6.

Schedule 5839, for Mare Island, 110,000 feet teak, opening of April 20.

Schedule 5851, for Mare Island, wire rope towing hawsers, opening of April 16.

Schedule 5852, for eastern and western yards, cotton cleaning rags, opening of April 16.

Schedule 5856, for eastern and western yards, torsion meters, metallic faced paper and German silver indicating points, opening of April 20.

Schedule 5868, for Puget Sound, 2,500 feet paper insulated cable and 1,000 feet incandescent lamp cord, opening of April 20.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

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MARE ISLAND, Cal.—The following bids were received on March 31st by the Public Works Office at Mare Island for remodeling the two-story barracks building No. 53, at the Marine Reservation, navy yard, Marc Island.

No bids were received by the Bureau of Yards and Docks, Navy Department, at Washington, D. C.

Schultz Construction Co., 46 Kearny St., San Francisco, $62,240; 100 days. Alternate (1) deduct $1,100; (2) deduct $100.

Alfred H. Vogt, San Francisco, $72,837; 100 days. Alternate (1) deduct $2,800; (2) deduct, $2,000.

Lange & Bergstrom, San Francisco, $78,000; 100 days. Alternate (1) $2,300 (2) $1,768.

The Federal Electric Co. submitted a bid at $7,337 for electric work only, which will not be considered.

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SEATTLE, Wash.—Up to 11 A. M., April 10th, bids will be received by the Alaskan Engineering Commission, 422 Bell Street Terminal, Seattle, for furnishing and delivering under Circular No. 417 the following materials:

Universal joints for Sterling engine; shot guns; fire brick and cement; boiler tubes; boat spikes, nuts and rivets; flue plugs; unions; chasers for Pratt & Whitney dies; reemers; carborundum wheels; snow shovels; angle bars; hinges, locks and hooks; wire cloth; locomotive safety valves; and gasoline motor car.

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WASHINGTON, D. C.—The following bid was received by the Supervising Architect, Treasuray Department, Washington, D. C., on March 22nd, for construction of two concrete tanks at the U. S. Quarantine Station, Port Townsend, Washington:

Olympic Pile Driving Co., Port Townsend, Wash., $17,500; time for completion, 120 days.

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Plans Being Prepared.
ADDITION Cost, $——
MARE ISLAND, Cal.
Two-story addition to frame building (Marine Quarters).
Owner—U. S. Government.
Architect—Public Works Dept., Mare Island.

## HALLS AND SOCIETY BUILDINGS.

HOLLYWOOD, Los Angeles Co., Cal.—Weston Bros., 434 Douglas Bldg., Los Angeles, have prepared preliminary plans for an auditorium and club house to be erected for Hollywood Post of the American Legion. The sketches provide for a general auditorium for large gatherings, club rooms and dormitories. The campaign for raising funds is now in progress, under the direction of H. G. Ferguson, commander of Hollywood Post.

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Plans Being Prepared.
MASONIC TEMPLE Cost, $25,000 to $35,000.
SAN FRANCISCO. West Portal Park (mouth of Twin Peaks Tunnel).
Two-story brick or reinforced concrete store and Masonic temple building.
Owner—Fernando Nelson & Sons.
Lessee—Mt. Davidson Blue Lodge of Masons (H. J. Brunnier, Master.)
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.

## HOTELS.

Contract Awarded. Sub-Figures to be Taken Shortly.
HOTEL, ETC. Cost, $72,000
FRESNO, Fresno Co., Cal. F and Tulare Streets.
Two-story and basement brick (4) stores and hotel building, 90x112.
Owner—Fon Kee.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—Larsen-Sampson Company, Crocker Bldg., San Francisco.

Preliminary Plans Prepared.
HOTEL Cost, $1,500,000
LONG BEACH, Los Angeles Co., Cal. East Ocean Blvd. and Marine Way.
Ten-story Class "A" hotel.
Owner—Fred B. Dunn.
Architect—Hugh Davies, Marine Bank Bldg., Long Beach, Cal.

Contract Awarded.
HOTEL, ETC. Cost, $38,000
LODI, San Joaquin Co., Cal.
Two-story brick hotel, store and office building.
Owner—J. P. Gilbeau.
Architects—Losekann & Clowdsley, 308 Elks' Bldg., Stockton.
Contractor—Cary Bros., Lodi.

Contract Awarded
HOTEL Cost, $64,873
STOCKTON, San Joaquin Co., Cal. Lafayette and Center Streets.
Four-story brick hotel building.
Owner—W. S. Hickman, 425 E-Rose St., Stockton.
Architects—Losekann & Clowdsley, Elks' Bldg., Stockton.
Contractor—Morrison & Vickroy, 127 E-South St., Stockton.

Preliminary Plans Being Prepared.
HOTEL, ETC. Cost, $——
EUREKA, Humboldt Co., Cal. Fourth and E Streets.
Six-story and basement brick or concrete hotel and stores, 160x110.
Owner—Building Corporation now being formed.
Lessee—Travelers' Hotel, Sacramento. J. L. Flanagan of Travelers' Hotel, Sacramento, is interested.

SAN FRANCISCO.—Carlo Matraia, 1252 Bush Street, has purchased the southwest corner of Mason street and Dikeman place upon which he plans to erect a three-story concrete hotel building.

## POWER PLANTS.

LOS ANGELES, Los Angeles Co., Cal.—Until 3 p. m., April 16, bids will be received by Board of Public Service, Knickerbocker Bldg., for hydraulic equipment, electric generators, transformers, auxiliary electric equipment and appurtenances in accordance with Spec. P-223. This equipment is for the proposed San Fernando power plant and the Franklin Canyon plant. The estimated cost of equipment for the former, including freight, is $180,000, and for the latter, $60,000.

SAN DIEGO, Cal.—The City Council is considering a proposition presented by City Manager of Operations W. H. Judy to construct a power station for pumping water near La Jolla. The Diesel Engineer Co. has submitted a plan for a plant to cost about $52,000.

## PUBLIC BUILDINGS

Plans Being Figured. Bids Close Apr. 12, 8 P. M.
BAND STAND, ETC. Cost, $——
RENO, Nevada. Powning Park.
Band stand and comfort station.
Owner—City of Reno. J. E. Sullivan, City Clerk.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno, Nevada.

SANTA ROSA, Sonoma Co., Cal.—Two bids received by the County Supervisors for a cold storage plant at the County Farm have been rejected and new bids will be called for in the near future. Bids submitted were:
C. B. Roberts, $5,078.18 and the Cycle Iron Works, $4,000.
W. W. Felt Jr. is County Clerk.

FRESNO, Fresno Co., Cal.—Following bids received by the Fresno City Council, Chas. Dillon, Clerk, for the construction of two reinforced concrete comfort stations in the Courthouse Park have been taken under advisement:

**General Contract.**
Paulson & Stange.....$17,622
**Plumbing.**
Barrett & Hicks.....$6,319
Newman & Co..... 6,690
**Plumbing (Substitute List)**
N. Johnson.....$5,765
Plans were prepared by Architects Swartz & Ryland, Rowell Bldg., Fresno.

FRESNO, Fresno Co., Cal.—Bids received by the Fresno County Supervisors for two concrete comfort stations in the Court House Park have been rejected, the low bid being $4,000 in excess of the amount available for construction.
Plans were prepared by Architects Swartz & Ryland, Rowell Bldg., Fresno.

OAKLAND, Cal.—The 1920-21 budget will provide sufficient funds for the erection of a large comfort station at Fourteenth street and San Pablo avenue on the City Hall plaza, for which plans are being prepared.
L. W. Cummings is City Clerk.

## RESIDENCES.

Plans Being Prepared. To be Done by Day Work.
BUNGALOWS Cost, $6,000 to $8,000 each.
SAN FRANCISCO. Westwood Park.
Eight one-story frame and plaster bungalows (5 and 6 rooms each).
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.

Sub-Figures Being Taken by Owners.
BUNGALOWS Cost, $8,000 each
SAN FRANCISCO. Westwood Park.
Five one-story frame and plaster bungalows (6 rooms each).
Owner—Wilson & Benson, 1783 Waller St., San Francisco.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
NOTE:—Construction will be started immediately on one bungalow on Northwood Drive. Plans will be completed shortly for the other four. Work will be done by day labor and sub-contracts.

Plans Being Figured.
HOTEL BUNGALOWS Cost, $——
LOS ANGELES, Cal. Wilshire Blvd.
Four one and two-story frame hotel bungalows.
Owner—Ambassador Hotel Co.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.
Bids will be taken at the same time for the construction of a large amount of walks and pergolas.

Figures to be Called for Shortly.
RESIDENCE Cost, $——
KING CITY, Monterey Co., Cal.
Frame and plaster residence.
Owner—A. J. Zabala, King City.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Prepared.
RESIDENCE. Cost, $12,000 to $14,000
HEALDSBURG, Sonoma Co., Cal.
One-story and basement and plaster residence and garage with aeroplane deck, 6 rooms (living room, 19x26.)
Owner—Mr. Sherriffs, Healdsburgh.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Prepared.
BUNGALOWS Cost, $——
RENO, Nevada.
Six one-story frame bungalows.
Owner—J. E. Smith et al, Reno, Nev.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.
Miss McCain has been selected as architect by the firm Mr. Smith represents, which is opening a tract like Westwood Park and plans to erect a large number of bungalows.

Contracts Awarded.
RESIDENCE Cost, $58,500 approximately.
BURLINGAME, San Mateo Co., Cal.
Two-story and basement frame residence and garage.
Owner—E. B. Breeden.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.
**General Contract** to Chas. Stockholm & son, Monadnock Bldg., San Francisco, for $43,288.
**Electric Work** to Joseph M. Carlson, 175 Jessie St., San Francisco, $3902.
**Sheet Metal Work,** Forderer Cornice Works, 269 Potrero Ave., San Francisco, $825.
**Plumbing,** Frederick W. Snook, 596 Clay St., San Francisco, $7394.
**Tile Roofing,** Gladding, McBean & Co., Crocker Bldg., San Francisco, $1980
**Glazing,** W. P. Fuller & Co., Beale and Mission Sts., San Francisco, $1175.

Plans Being Figured.
RESIDENCE Cost, $12,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame residence (7 rooms).
Owner—Clyde N. Beal, London Paris National Bk Bldg., San Francisco.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Contract Awarded.
BUNGALOWS Cost, $5,500 each
EASTON, San Mateo Co., Cal.
Ten one-story frame bungalows (5 and 6 rooms).
Owner—California Home Bldg. & Loan Company.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $6,880
SAN LEANDRO, Alameda Co., Cal. Cherry Acres.
One-story frame residence (6 rooms).
Owner—J. Leppia.
Architects—Sidney B. and Noble Newsome, Nevada Bk. Bldg., San Francisco.
Contractor—A. S. Faria, 2229 Washington St., San Leandro.

Plans Being Prepared.
RESIDENCE Cost, $16,000
SAN FRANCISCO. Yerba Buena Ave. St. Francis Wood.
One and one-half-story frame residence (8 rooms and 2 bathrooms).
Owner—Dr. Sharpe.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Low Bidder. Bids Under Advisement.
RESIDENCE Cost, $12,000
THORNTON, San Joaquin Co., Cal.
One-story hollow tile residence with clay tile roof.
Owner—Horton Kile, Thornton.
Architects—Loeskann & Clowdsley, 308 Elks' Bldg., Stockton.
Low Bidder—O. E. Schroeder, Lodi.

Ready For Figures Next Week.
RESIDENCE Cost, $8,000
PIEDMONT, Alameda Co., Cal.
Two-story frame residence (6 rooms).
Owner—Harold Haven.
Architect—John H. Thomas, 1st National Bank Bldg., Berkeley.

Preliminary Sketches Being Prepared.
RESIDENCE Cost, $50,000 approximately.
SAN JOSE, Santa Clara Co., Cal. The Alameda.
Two-story and basement frame and plaster residence.
Owner—Wm. J. Leet, Bank of San Jose Bldg., San Jose.
Architect—C. A. Tantau, 251 Kearny St., San Francisco.

Plans Being Prepared.
FARM HOUSE, ETC. Cost, $——
ALAMEDA COUNTY. Near Mission San Jose.
Two-story frame farm house and group of farm buildings.
Owner—J. A. Bunting.
Architect—E. W. Cannon, Central Bk. Bldg., Oakland.

Being Done by Day Labor.
RESIDENCE Cost, $——
HAYWARD, Alameda Co., Cal. Castro Valley near Hayward.
One-story frame and plaster residence (Mission court style) 8 rooms.
Owner—R. F. Bucknam, 329 Castro St., Hayward.
Architects—Sidney B and Noble New-Som, Nevada Bank Bldg., San Francisco.

Materials Being Purchased by Contractor.
DWELLINGS Cost, $——
COLUSA, Colusa Co., Cal. Bridge St.
Three one-story and basement frame dwellings (1 5-room and 2 4-room dwellings).
Owner—E. Clement and B. Baum, Colusa, Cal.
Architect—None.
Contractor—H. H. Braunton, Colusa.

Plans Being Prepared.
RESIDENCE Cost, $16,000
SAN FRANCISCO. St. Francis Blvd.
Two-story frame and plaster residence (9 rooms and 3 bathrooms, separate garage).
Owner—Dr. Wallace Smith, Stanford Court Apartments.
Architect—H. H. Gutterson, 278 Post St., San Francsico.

Plans Being Prepared.
RESIDENCE Cost, $45,000
PASADENA, Cal. San Rafael Avenue W of Arroyo Seco.
Hollow tile residence.
Owner—Edw. F. Sharp.
Architects—Marston & Van Pelt, 600 Chamber of Commerce Bldg., Pasadena.

Plans Prepared.
ADDITION Cost, $4,000
SAN FRANCISCO. No. 1675 Sutter St.
Add to residence (add breakfast room, sun porch and terrazzo steps).
Owner—Chas. Happenbeck, 821 Leavenworth St., San Francisco.
Architects—M. O'Brien and E. H. Hildebrand Associated, 68 Post St., San Francisco.

Contract Awarded
RESIDENCE Cost, $40,000
LOS ANGELES, Cal. Fourth Street and Rossmore Avenue.
Two-story and basement brick residence (13 rooms and 4 bathrooms).
Owner—D. M. Baker of the Pacific Mutual Life Insurance Co.
Architect & Contractor—Arthur R. Kelly, 1201 Van Nuys Bldg., Los Angeles.

Ready for Figures in a Week.
RESIDENCE Cost, $50,000
SAN FRANCISCO. Sea Cliff.
Two-story and basement frame residence (11 rooms and quarters for 4 servants, ball room, 24x45).
Owner—H. C. Ilse.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.
NOTE:—There will be a formal Italian garden as an entrance, of terra cotta or cement.

## SCHOOLS.

Plans Being Figured. Bids Close Apr. 15th, 1:30 P. M.
SCHOOL Cost, $——
PERSHING, Kern Co., Cal.
One-story concrete and frame school.
Owner—Pershing School District. J. W. Holland, Clerk.
Architect—Thos. B. Wiseman, Morgan Bldg., Bakersfield, Cal.
Certified check of 10% payable to Clerk of District must accompany each bid.

Plans Being Prepared.
SCHOOL Cost, $——
MONTEBELLO, Los Angeles Co., Cal.
Hollow tile school (14 classrooms and an auditorium).
Owner—Montebello School District.
Architects—Jeffery & Schaeffer, 1106 Kerckhoff Bldg., Los Angeles.

Bids Rejected. Plans to be Revised.
SCHOOL Cost, $——
TRACY, San Joaquin Co., Cal. SW Central Ave. and Eleventh St.
One-story reinforced concrete grammar school.
Owner—Tracy Grammar School District. J. H. Von Sosten, Clerk, Tracy, Cal.
Architect—W. J. Wright, Bank of Italy Bldg., Stockton, Cal.
NOTE:—The following bids were received on April 1st, all bids were rejected as being above the amount available and plans were ordered revised:

**General Contract.**

| | |
|---|---|
| Totten & Trewhitt, Stockton | $52,525 |
| Ubels & Bantell, Ripon | 57,128 |
| L. B. Perry, Concord | 48,600 |

**Heating**

| | |
|---|---|
| Carl T. Doell, Oakland | $3,322.00 |
| Stockton Plumbing & Supply Co., Stockton | 2,270.00 |
| Kiernan & O'Brien, S. F. | 3,917.00 |
| J. B. Hawley, Sacramento | 3,152.20 |
| E. L. Gnekow, Stockton | 3,208.00 |
| Thos. Kennedy, Martinez | 2,690.00 |

General Contract Awarded.
SCHOOL BLDGS. Cost, $136,367
FOWLER, Fresno Co., Cal.
Hollow tile high school buildings.
Owner—Fowler Union High School District.
Architects—Allison & Allison, Hibernian Bldg., Los Angeles.
Contractor—E. E. Etherton, Monadnock Bldg., San Francisco.

San Francisco.—The Board of Public Works has requested the Supervisors to pass an ordinance authorizing the calling of bids for the construction of the Jefferson School building.

Working Drawings Being Prepared.
ADDITION Cost, $100,000
SAN FRANCISCO. Jackson and Hyde Streets (Spring Valley School).
Three-story class "B" reinforced concrete addition to school.
Owner—City and County of San Francisco.
Architect—August G. Headman, Call Bldg., San Francisco.

BAKERSFIELD, Kern Co., Cal.—The City Board of Education has commissioned Architects Charles H. Biggar and Thos. B. Wiseman, both of Bakersfield, to prepare plans and specifications for improvements under the $300,000 school bond issue.

The plans include a new Lincoln School building, additions to the Jefferson School, addition of two rooms at the Fremont, addition of one room at the Hawthorne and construction of a kindergarten at the Williams School. A manual arts building and warehouse will be built at the Emerson and a heating plant installed at the Franklin.

FOWLER, Fresno Co.—The following bids were received March 30th by the Board of Trustees of the Fowler Union High School District for the construction of the new high school buildings from plans prepared by Architects Allison & Allison, Hibernian Building, Los Angeles.

Bids were taken under advisement.

Contract No. 1—For the excavating, concrete, masonry, terra cotta, iron and carpenter work, etc.

E. E. Etherton, Monadnock Bldg., San Francisco, $136,367.

Anton Johnson, Kingsburg, $136,700.

J. Dawson, Los Angeles, $143,769.

Contracto No. 2—For the sheet metal Work, etc.

Allen McLaughlin .....$2,200

Contract No. 3—For the Tile roofing, etc.

E. L. Passmore .....$6,000

United Materials Co., S. F..... 6,000

Fibrestone & Roofing Co., S. F... 5,758

Contract No. 4—For the composition roofing.

No bids.

Contract No. 5—For the plastering.

J. Greenbach, S. F.....$11,225

A Knowles, S. F. ..... 14,444

M. Faxon ..... 20,900

Contract No. 6—For the blackboards.

Rucker-Fuller Co., S. F.....$1,388.00

E. M. Pierce ..... 1,450.00

C. F. Weber Co., S. F..... 1,423.80

Contract No. 7—For the painting, etc.

Wormell & Rawbaugh .....$8,430

D Zelinsky, S. F. ..... 7,455

I. Kissel, S. F. ..... 9,565

E. F. Johnson ..... 6,550

Contract No. 8—For the electric work, etc.

Federal Elec. Co., S. F.....$8,438

Amer. Elec. Con. Co..... 8,157

Butte Elec. Co. ..... 8,643

Fallare ..... 8,539

Contract No. 9—For the plumbing, gas fitting, sewering, etc.

Hately & Hately, Sacramento...$7,550

Thos. Haverty, L. A. ..... 8,695

J. Hopom ..... 8,268

James & Drucker, S. F..... 7,700

Carl Doell, Oakland ..... 7,776

Contract No. 10—For the program clocks.

Standard Elec. Time Co.....$2,500

Contract No. 11—For the hardware.

Fresno Hardware Co., Fresno...$2,570

M. Burnett ..... 3,500

Barrett-Hicks Co., Fresno ..... 3,909

Contract No. 12—For the heating and ventilating.

Hately & Hately, Sacramento...$12,238

Scott Co., S. F. ..... 12,230

Thos. Haverty, L. A..... 13,250

J. E. O'Mara, S. F..... 12,191

J. Hopom ..... 14,460

James & Drucker, S. F..... 12,380

Thos. Kennedy, Martinez..... 11,795

Carl T. Doell, Oakland ..... 12,602

A list of some of the alternates is on file in this office.

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Plans Being Figured. Bids Close Apr. 18, 1920.

STEAM HEATING PLANT Cost, $——

CLOVIS, Fresno Co., Cal.

For installation and completion of a steam heating plant in a two-story concrete high school.

Owner—Clovis Union High School District. J. A. Riggs, Clerk, Clovis.

Architect—W. H. Weeks, 75 Post St., San Francisco.

Certified check of 5% payable to J. A. Riggs, Clerk of District, required.

Plans Being Prepared. Bonds Voted.

SCHOOL Cost, $85,000

REDLANDS, San Bernardino Co., Cal.

Two-story reinforced concrete intermediate school building.

Owner—Redlands High School District.

Architect—Edwin Bergstrom, Citizens' National Bank Bldg., Los Angeles.

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SACRAMENTO, Cal.—Edgar A. Mathews of San Francisco has been selected by the Board of Education to prepare the plans and specifications for the new high school buildings, supervise the work and let all contracts under the segregated bids plan as is done in Fresno.

This building will cost about $700,000. The building program comprehends the erection of 11 new schools, 2 additions and 2 alterations at a total expenditure of $2,600,000.

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FRESNO, Fresno Co., Cal.—The Fresno Board of Education, J. A. Fontaine, Secretary, has awarded contracts to the Fresno Hardware Co., 1247 "J" St., Fresno, for furnishing and installing finish hardware in the following school buildings: John Muir, Longfellow, Washington, Arlington Heights, Kirk and Jackson.

Kutner-Goldstein Co., 1801 Mariposa, Fresno, was awarded the contract for similar work in the Webster school.

The contract for furnishing and delivering 2,000,000 No. 1 merchantable common brick and 250,000 select face brick f. o. b. building site, Fresno, has been awarded by the School Board to the Craycroft Brick Co., Griffith-McKenzie Bldg., Fresno.

Trewhitt-Shields Co., Rowell Bldg., Fresno, are superintendents of construction on the school improvements.

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OAKLAND, Cal.—Mills College is preparing to erect another dormitory building also many other improvements for which $2,000,000 is being raised. It has not been decided whether one large building or a group of bungalows built around a court will be erected for the new dormitory.

Bakewell & Brown, 251 Kearny St., San Francisco, were the architects for the last dormitory building which was erected about two years ago.

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Sketches Being Prepared.

SCHOOL Cost, $40,000

BERKELEY, Alameda Co., Cal. Sacramento and Rose Streets (Jefferson School).

Owner—City of Berkeley.

Architect—H. H. Gutterson, 278 Post St., San Francisco.

Supervising Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

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Plans Being Figured. Bids Close April 10, 8 P. M.

SCHOOL Cost, $——

DUNSMUIR, Siskiyou Co., Cal.

Erection (complete) of a grammar school.

Owner—Dunsmuir Grammar School District. Sue P. Cornish, Clerk, Dunsmuir, Cal.

Architecte—Woollett & Lamb, Hagelstein Bldg., Sacramento, Cal.

Certified check of 10% payable to Clerk required.

Bids will be opened at the Weed Hotel, Dunsmuir.

Working Drawings Being Prepared.

GYMNASIUM Cost, $175,000

BERKELEY, Alameda Co., Cal. Block Bounded by Grove, Milvia, Bancroft and Channing Way.

Hollow tile and reinforced concrete gymnasium building.

Owner—City of Berkeley.

Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

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Segregated Figures to be Taken Next Week.

FRATERNITY HOUSE Cost, $40,000

BERKELEY, Alameda Co., Cal. Piedmont Avenue and Channing Way.

Three-story frame and plaster Fraternity house.

Owner—Alpha Delta Phi.

Architect—Wm. C. Haye, 1st National Bank Bldg., San Francisco.

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Contracts Awarded.

ADDITIONS Cost, $112,995

MODESTO, Stanislaus Co., Cal. 12th, L, 13th and M Streets.

Additions and alterations to Departmental School.

Owner—Modesto City School District.

Architect—John J. Donovan, 414 13th St., Oakland.

Contractor—McLeran & Peterson, Hearst Bldg., San Francisco.

**Electrical Work.**

**Turner Hardware & Implement Co.,** Modesto, $10,249.

**Heating and Ventilating.**

**Hoffman & Rhien,** 1014 10th St., Modesto, $12,970.

**Plumbing.**

**W. H. Graham,** 1115 E-12th St., Oakland, $6,250.

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Contract Awarded.

SCHOOL Cost, $7,143

DIXON, Solano Co., Cal.

One-story frame school.

Owner—Currey School District.

Architect—Not Given.

Contractor—W. Pritchard, N-Main St., Napa, Cal.

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MODESTO, Stanislaus Co., Cal.—The two bids received by the Board of Trustees of the Modesto High School District for a sprinkling system at the high school were rejected by the board because they were considered too high. W. F. Hughes bid $2600 and Hoffman & Rhein bid $2085.

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PIEDMONT, Alameda Co., Cal.—Bonds of $250,000 with which to finance construction of a new high school building in the Piedmont High School District were voted at a recent election.

An architect will be selected within the next few weeks to prepare plans W. J. Cooper is Superintendent of Schools.

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SCHOOL Estimated Cost, $85,000

MAXWELL, Colusa Co., Cal.

Concrete or hollow tile school.

Owner—Maxwell High School District. Mrs. W. B. Harden, Clerk, Maxwell.

Architects—Woollett & Lamb, Hagelstein Bldg., Sacramento.

NOTE—Bonds of $60,000 have already been voted. It is now intended to erect a structure costing $85,000 and a bond election will be called in the near future to secure the additional funds

STOCKTON, San Joaquin Co., Cal.—The Board of Education has appointed Davis-Heller & Pierce, Architects & Engineers, Belding Building, Stockton, to supervise the construction of all new buildings and additions authorized under the recent bond issue. The firm will receive 1½ per cent commission.

The bond issue provides $1,275,000 for construction.

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ALHAMBRA, Los Angeles Co., Cal.—Architects Allison & Allison, 1405 Hibernian Bldg., have been commissioned to prepare plans for new grade schools and new high school building to be erected at Alhambra. There will be a two-room addition to the Ramona Acres school and a new building for the west side. It will be planned for a 12-room structure of which eight rooms will be erected at present. These buildings will be of hollow tile construction. There will be a new commercial building for the high school and alterations to the present buildings. The commercial building will contain twelve rooms and will be of brick construction. An election will be called to vote bonds in the sum of $200,000 for the new buildings.

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Plans Being Prepared.
SCHOOL Cost, $20,000
SALIDA, Stanislaus Co., Cal.
Grammar school.
Owner—Salida Grammar School District.
Architects—Davis - Heller - Pearce Co. Belding Bldg., Stockton.

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Plans Being Figured. Bids Close April 10th, 3 P. M.
SCHOOL Cost, $——
KNOWLES, Madera Co., Cal.
Construction of school building.
Owner—Knowles School District, Wm. D. Gorman, Clerk, Knowles, Cal.
Architect—Henry F. Starbuck, 2550 Merced St., Fresno, Cal.

Segregated bids will be taken as follows:

(1)—Entire building.
(2)—Lumber.
(3)—Mill work.
(4)—Roofing.
(5)—Plastering.
(6)—Concrete floors and walks.
(7)—Carpenter work.
(8)—Painting.

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Plans Being Prepared.
ADDITION Cost, $75,000
SEATTLE, Wash. Two brick addition wings for high school.
Owner—City of Seattle (Edmonds High School).
Architects—Stephen, Stephen & Brust, New York Block, Seattle, Wash.

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Plans Being Prepared.
SCHOOL Cost, $50,000
CAMARILLO, Ventura Co., Cal.
Fireproof school (6 rooms and auditorium).
Owner—Pleasant Valley School District.
Architect—Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles.

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FRESNO, Fresno Co., Cal.—The Board of Education, J. R. Fontaine, Secretary, will receive bids up to April 26th, 5 P. M., for furnishing and delivering supplies, materials, apparatus, etc., to be used in the city schools.

Plans Being Prepared.
SCHOOL Cost, $150,000
JEROME, Arizona.
Two-story fireproof high school.
Owner—Jerome High School District.
Architects—Lescher & Kibbey, Phoenix, Arizona.
NOTE:—A bond election will be called.

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Plans to be Revised.
Sub-Contracts Awarded.
ADDITIONS Cost, $112,995
MODESTO, Stanislaus Co., Cal. 12th, L, 31th and M streets.
Additions and alterations to Departmental School.
Owner—Modesto School District.
Architect—John J. Donovan, 414 13th St., Oakland.
Contractor—McLeran & Peterson, Hearst Bldg., San Francisco.

McLeran & Peterson have awarded the following sub-contracts:

**Structural Steel** to Schrader Iron Works, Inc., 1247 Harrison St. S. F.

**Patent Windows** to Kawneer Mfg., Co., San Francisco.

**Sheet Metal Work** to Hoffman & Rhien, 1014 10th St., Modesto.

**Ornamental Iron Work** to Monarch Iron Works, 943 Columbus Ave., San Francisco.

**Glass** to W. P. Fuller Co., Beale and Mission Sts., San Francisco.

**Painting** to J. P. Dwan, American National Bank Bldg., San Francisco.

**Blackboards** to C. F. Weber Co., 985 Market St., San Francisco.

**Hardware** to Baker, Hamilton & Pacific Co., 700 7th St., San Francisco.

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Sub-Contract Awarded.
SCHOOL BLDG. Cost, $235,400
SALINAS, Monterey Co., Cal.
One and two-story reinforced concrete school building.
Owner—Salinas Union High School District.
Architects—Ralph Wyckoff and H. C. White, 328½ Main St., Salinas.
Contractor—McLeran & Peterson, Hearst Bldg., San Francisco.

McLeran & Peterson have awarded the following sub-contracts:

**Architectural Terra Cotta** to Gladding, McBean Co., Crocker Bldg., San Francisco.

**Sheet Metal Work** to Western Iron Works, 141 Beale St., San Francisco.

**Roof Tile** to Gladding, McBean Co.

**Reinforcing Steel** to Edw. L. Soule, Rialto Bldg., San Francisco.

**Finish Hardware** to Baker, Hamilton & Pacific Co., 700 7th St., San Francisco.

**Blackboards** to C. F. Weber Co., 985 Market St., San Francisco.

**Glass** to W. P. Fuller Co., Beale and Mission Sts., San Francisco.

**Window Hardware** to Kawner Mfg. Co., 110 Jessie St., San Francisco.

**Painting** to R. Zelinsky, 110 Jessie St., San Francisco.

**Sheet Metal Work** to Percy Sheet Metal Works, 348 Guerrero St., San Francisco.

**Electric Work** to Newberry Electric Co., 163 Sutter St., San Francisco.

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BURLINGAME, San Mateo Co., Cal.—The proposition to levy a direct tax for $21,000 to erect an additional wing at the Roosevelt Grammar School was voted at a recent election in the Burlingame Grammar School District.

Figures to be Called For on April 9th.
SCHOOL Cost, $200,000
SAN FRANCISCO. Broadway between Broderick and Baker Streets.
Grant School (18 rooms, assembly hall, manual training and domestic science departments).
Owner—City and County of San Francisco.
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.
NOTE:—Bids will be called for on April 9th, and the closing date will probably be April 23rd.

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SALINAS, Monterey Co., Cal.—Anderson & Dougherty of Salinas have been awarded the contract for the plumbing work for the new Salinas Union High School.

Plans were prepared by Architects Wyckoff & White of Salinas and call for a two-story reinforced concrete structure. The contract price is $5,590.

McLeran & Peterson of San Francisco, have the general contract.

## STORES AND OFFICES.

Contract Awarded.
STORES & OFFICES Cost, $50,000
STOCKTON, San Joaquin Co., Cal. NW Weber Avenue and California St.
Two-story reinforced concrete and brick stores and offices, 50x100.
Owner—San Joaquin Investment Co., Represented by Hodgkins & Barnett, 34 N-San Joaquin St., Stockton.
Architects & Contractors—Davis, Heller & Pearce, Belding Bldg., Stockton.
NOTE:—Construction will start May 1st.

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Plans Being Prepared.
OFFICE BLDG. Cost, $——
STOCKTON, San Joaquin Co., Cal.
Five-story reinforced concrete office building.
Owner—Western States Gas & Electric Company.
Architects—Davis - Heller - Pearce Co., Belding Bldg., Stockton.

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Bids in and Under Advisement.
STORE & OFFICE BLDG. Cost, $28,000
STOCKTON, San Joaquin Co., Cal.
Two-story brick store and office building.
Owner—Withheld.
Architect—Losekann & Clowdsley, 308 Elks' Bldg., Stockton.

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Plans Being Prepared.
PAVILION Cost, $176,000
SPOKANE, Washington.
Brick or frame livestock pavilion, 300x180.
Owner—Pacific International Livestock Show.
Architect—Julius Zittel, Spokane.

It is planned to erect a structure with a seating capacity of 5160.

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To be Done by Day Labor and Sub-Contracts.
AUTO SALES ROOMS Cost, $18,000
SAN FRANCISCO. S Turk 109 W Van Ness Avenue.
One-story concrete auto sales rooms.
Owner—O. H. Curtaz, 519 Hayes St., San Francisco.

Contract Awarded.
STORE BUILDING Cost, $18,300
SAN JOSE, Santa Clara Co., Cal. Second St. bet. Santa Clara and San Fernando Streets.
One-story brick store building (3 stores).
Owner—Wm. Halla.
Architect—Louis Teho. Lenzen, 110 S-Second St., San Jose.
Contractor—W. J. Moore, 75 Daune St., San Jose.
NOTE:—Contract includes all work except the steel ceiling and plate glass

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Figures to be Taken In Ten Days.
STORE AND OFFICE BLDG.
Cost, $75,000 to $80,000.
SALINAS, Monterey Co., Cal.
Two-story reinforced concrete store and office building.
Owner—Farmers Mercantile Co.
Architects—Ralph Wyckoff and H. C. White, 328½ Main St., Salinas.
Figures will be taken for a general contract.

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Plans Being Figured.
AUTO SALES BLDG. Cost, $9,000
SAN FRANCISCO. Geary Street and Sixth Avenue.
One-story frame and plaster auto sales building.
Owner—Jacob Weissbein.
Lessee—Willard Battery Co.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

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Contract Awarded.
EXTENSION Cost, $20,000
WILLOWS, Glenn Co., Cal. Tehama Street.
Remodel and construct two-story extension to bakery.
Owner—K. G. Walter (Home Leaven Bakery), Willows, Cal.
Architect—Otto A. Deichmann, Barceloux Bldg., Willows, Cal.
Contractor—Croft & Jansen, Willows, Cal.

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Completing Plans. Segregated Figures to be Taken in Two Weeks.
AUTO SALES BLDG. Cost, $160,000
OAKLAND, Alameda Co., Cal. SW Twenty-first and Broadway.
Four-story reinforced concrete auto sales building, 100x130.
Lessee—Chevrolet Motor Car Co.
Architect—Maury I. Diggs, Union Savings Bank Bldg., Oakland.

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Segregated Figures Being Taken
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. W Van Ness Ave. 40 N Eddy Street.
One-story and mezzanine reinforced concrete auto sales building, 40x109.
Owner—Mary A. Ruggles.
Architect—August Headman, Call Bldg. San Francisco.

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Contract Awarded. Sub-Figures Being Taken.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. N Washington St. 160 W Van Ness Ave.
One-story reinforced concrete auto sales building.
Owner—Louis R. Lurie, Flatiron Bldg., San Francisco.
Architects—Ward & Blohme, 454 California St., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

Plans Being Figured. Bids Close Apr. 12, 1920.
UNDERTAKING ESTABLISHMENT
Cost, $——
WILLOWS, Glenn Co., Cal.
One-story reinforced concrete and frame undertaking establishment.
Owner—D. C. Tuker.
Architect—Otto A. Deichmann, Willows

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Plans Being Figured.
OFFICE BLDG. Cost, $——
LOS ANGELES. NE Eleventh and Broadway.
Ten-story and basement Class "A" reinforced concrete office building, 176x65.
Owner—Los Angeles Railway Co.
Architect—C. E. Noerenberg, 732 Pacific Electric Bldg., Los Angeles.
Figures are being taken for a general contract.

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Contract Awarded
STUDIO Cost, $100,000
LOS ANGELES, Cal. Normandie Ave. near Wilshire Blvd.
Two and three-story frame studio building, 100x140 (36 rooms).
Owner—John B. Holtzclaw.
Architect & Contractor —Milwaukee Bldg., Co., 315 Wright & Callender Bldg., Los Angeles.

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Contractors Taking Sub-Figures.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. Van Ness Avenue and Ellis Street.
One-story and mezzanine reinforced concrete auto sales building.
Owner—Mr. Malera.
Lessee—Costello-Ritchie & Co.
Architect—Owner.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

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Bids to Be Taken for Piling the End of This Week.
OFFICES AND LOFTS. Cost, $——
SAN FRANCISCO. N Sacramento St. through to Commercial, also facing on Leidesdorff St.
Five-story and basement reinforced concrete building (offices and lofts for printing and commercial companies).
Owner—Edw. Barry Co., 215 Leidesdorff St., San Francisco.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

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Plans Being Figured.
STORE & AUDITORIUM Cost, $30,000
MODESTO, Stanislaus Co., Cal.
One and two-story Class "C" store and auditorium building.
Owner—Withheld.
Architects—Fabre & Thayer, 110 Sutter St., San Francisco.
Figures are being taken for a general contract.

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Contract Awarded. Sub-Figures Being Taken.
AUTO SALES BLDGS. Cost, $100,000 approximately.
SAN FRANCISCO. Golden Gate Avenue and Leavenworth Street.
Three reinforced concrete auto sales buildings (1 3-story and 2 2-story)
Owner—Louis R. Lurie, Flatiron Bldg., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
Plans Being Prepared.

Sub-Contracts Awarded.
DEPARTMENT STORE Cost, $——
OAKLAND, Cal. Broadway bet. 14th and 15th Streets.
Two-story and basement reinforced concrete department store.
Lessee—Mankeim & Mazor, Oakland.
Architect—B. J. Joseph, Call Bldg., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
**Elevators** to Olts Elevator Co., Beach and Stockton Sts., San Francisco.
**Terra Cotta Work** to Gladding-McBean Co., Crocker Bldg., San Francisco.
**Brick Work** to H. E. Drake, 180 Jessie St., San Francisco.
**Roofing** to Mallott & Peterson, Monadnock Bldg., San Francisco.
**Lumber** to Sunset Lumber Co., 1st and Clark Sts., Oakland.
**Reinforcing Steel** to Badt & Falk Co., New Call Bldg., San Francisco.
**Plastering to** Jas. F. Smith, 180 Jessie St., San Francisco.
**Plumbing and Electric Work** to be awarded in a few days.

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Contract Awarded.
STORE BLDG. Cost, $20,000
SAN FRANCISCO. SW Mission and Twenty-first Streets.
One-story reinforced concrete store building.
Owner—L. Glickfeld.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco.

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Sub-Figures Being Taken by Owner.
ALTERATIONS Cost, $12,500
SAN FRANCISCO. No. 272 Post St.
Alterations to four-story brick store building (new stone fronts, elevators, interior finish, fixtures, etc.)
Owner—Walter H. Sullivan, —— Sutter St., San Francisco.
Lessee—Colburn's Furrier of Los Angeles.
Architect—Owner.

## THEATRES.

Site Selected. Plans to be Rushed to Completion.
THEATRE, ETC. Cost, $2,500,000
LOS ANGELES, Cal. SW Eighth and Hill Streets.
Class "A" theatre and office building.
Owner—Orpheum Theatre Co.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.

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Plans Being Prepared.
SCHOOL & THEATRE Cost, $200,000
SEATTLE, Washington. North Broadway near Aloha Street.
Three-story fireproof (tapestry brick exterior) music school and theatre, 100x100.
Owner—Cornish School of Music.
Architect—A. H. Albertson, Henry Bldg., Seattle, Wash.

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Plans Being Prepared.
THEATRE & STORE Cost, $——
SEATTLE, Wash. Greenwood Avenue and 79th Street.
Frame theatre and store building, 109 x42.
Owner—W. F. Sweet and F. Kelly.
Architect—E. W. Houghton, Lumber Exchange Bldg., Seattle, Wash.

Sub-Contracts Awarded.
THEATRE Cost, $——
NAPA, Napa Co., Cal.
Reinforced concrete and brick motion picture theatre and 2 stores (1800 seats).
Owner—S. Gordon of San Francisco and R. Blumenfeld and J. Knox of Napa
Architects—Reid Bros., 105 Montgomery St., San Francisco.
Contractor—G. B. Pasqualetti, 32 Harwood St., San Francisco.
The following sub-contracts have been awarded by Reid Bros.:
**Lathing and plastering** — Leonard Bosch of San Francisco.
**Steel, cast and wrought iron**—Golden Gate Iron Works of San Francisco.
**Electrical work and wiring**—Butte Electric Equipment Co. of San Francisco.
**Plumbing, heating and ventilating**—Kiernan & O'Brien of San Francisco.
**Galvanized iron, sheet metal work and marquise**—L. Zimmerman of San Francisco.
**Roofing**—Alta Roofing Co. of San Francisco.
**Marble work**—Vermont Marble Co. of San Francisco.
**Tile floor**—Scott Co. of San Francisco.
**Vacuum cleaning plant**—Western Vacuum & Supply Co. of San Francisco.
**Painting and decorating**—F. L. Tessin of Napa.
**Opera chairs and loge seats**—B. F. Weber & Co. of San Francisco.

Preliminary Sketches Prepared.
THEATRE AND STORE. Cost, $100,000
PALO ALTO, Santa Clara Co., Cal.
Class "A" theatre and store building.
Owner—A building company headed by T. S. Montgomery, 217 S 1st St., San Jose, and represented by A. C. Blumenthal of San Francisco.
Architect—Reid Bros. 240 Montgomery St., San Francisco; or Weeks & Day, Phelan Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $12,000
MARTINEZ, Contra Costa Co., Cal. Novelty Theatre.
Alter and add to brick motion picture theatre (erect balcony to seat 250)
Owner—A. Gattman.
Architect—Milton Latham, 452 Montgomery St., San Francisco.

### THIRTY-NINE MILLIONS FOR IRRIGATION IMPROVEMENTS.

Directors of the Imperial Irrigation District have decided not to await federal assistance for the proposed All-American canal but will submit as soon as possible a bond issue of $9,000,000 to build the first leg of the canal from Laguna dam to Hanlon heading, relieving the danger of flood to the Yuma District caused by maintaining a weir in the Colorado river. It is possible a bond issue of $30,000,000 for the construction of the entire canal will be submitted at the same time, but it is not regarded as probable, in view of the present condition of the bond market, that the district can dispose of the greater bond issue at this time. If the consent of the State Bond Commission is secured, which can be done by petition, only a majority vote will be required to carry the bonds. If the bond issue is submitted directly, a two-thirds majority will be necessary.

## ENGINEERING

### BRIDGES, DAMS AND HARBOR WORK.

SAN FRANCISCO—The following bids were submitted to the Board of Public Works for furnishing and delivering 3-foot balanced valves for the Hetch Hetchy project under Contract No. 69:

Joshua Hendy Co., Prop. A, $104,963, paying foreman $15.00 per day.

Wm. Cramp & Sons, Prop. B, $98,500, paying foreman $15.00 per day.

ORLAND, Glenn Co., Cal.—According to estimates compiled by the State Highway Commission it will cost $97,000 to construct a bridge across Stony Creek for the new Orland-Chico State highway on the Walker route. The proposed structure is to be built by the County and according to the Commission must be 1200 feet in length and of reinforced concrete construction. The bridge will be a combination of trestle and span, four spans of thirty feet each being utilized in crossing the channel. The roadway across the new bridge will be twenty-four feet.

SAN FERNANDO, Los Angeles Co., Cal.—Mercereau Bridge & Construction Co., 313 N Avenue 22, was awarded the contract at $[illegible],550 for constructing a 2,000,000 gallon concrete lined reservoir for the city water plant. A lower bid was submitted but it was withdrawn. The reservoir will be 200 feet square at the top, partly excavated and partly embankment and will be lined with concrete reinforced with wire mesh. There will be a timber roof. A. L. Sonderegger, Central Bldg., Los Angeles, consulting engineer.

SACRAMENTO, Cal.—William H. Rixby, Brigadier General, U. S. A., retired, said to be the greatest authority upon canals in the world, probably will be employed by the city to make a survey of the ship canal project, if the recommendation of City Commissioner D. W. Carmichael is adopted.

The City Commissioners are now considering the appropriation of funds, ranging from $25,000 to $50,000, to cover the cost of the proposed survey.

M. J. Desmond is City Clerk.

OAKLAND, Cal.—Up to April 1st, 11 A. M., bids will be received by L. W. Cummings, City Clerk, for furnishing and delivering to the Department of Public Works six sections of steel pontoon pipe for City Dredge No. 2.

SAN PEDRO, Los Angeles Co., Cal.—The Los Angeles Harbor Commission has filed application with the U. S. District Engineer for permits to erect a bridge over the west channel and a bridge over the east basin channel. Only tentative plans for the bridges have been prepared. A drawbridge with 350 ft. span and 750 ft. over all is proposed at the foot of Canal St. over the east basin channel to connect Wilmington with Terminal Island. A petition from residents of the harbor district asking for the bridges has also been filed with the district engineer. The bridges, if allowed, will be built with proceeds of the harbor bond issue.

OAKDALE, Stanislaus Co., Cal.—The Directors of the Oakdale Irrigation District have employed H. E. Wadsworth, U. S. Army Engineer, to submit a report on plans prepared by Burton Smith, Chief Engineer of the District, for the Melones Reservoir.

Wadsworth is to act in the capacity of consulting engineer and will at once proceed with the preparation of alternative plans for the huge project.

TUCSON, Ariz.—Until 2 p. m., April 26, Bids will be received by State Engineer Thomas Maddock, at the office of the Supervisors of Pima County, Tucson, for constructing a reinforced concrete bridge, crossing Cienega Creek and the Southern Pacific R. R. tracks near Irene, Ariz., on the Benson-Vail highway, Federal Aid project No. 18. The bridge will be 278 ft. long, the main span being 146 ft. Certified check for 5 per cent required. Plans and specifications may be obtained from the State Engineer at Phoenix, on deposit of $5.

ST. JOHNS, Arizona—Until 2 P. M., April 12, bids will be received at the office of the Lyman Water Co., Lyman dam, near St. Johns, for the completion of the construction of the Lyman dam. The work will consist of approximately 25,000 cu. yds. lime rock in embankment, 25,000 cu. yds. clay puddle, and 50,000 cu. yds. earth embankment. Plans and specifications may be obtained from the State Treasurer of Arizona, Capitol Bldg., Phoenix, on payment of $10. Certified check for 5% required.

### IRRIGATION PROJECTS

BLYTHE, Riverside Co., Cal.—The Ripley Land & Cattle Co. is preparing to develop a 1200-acre tract south of Ripley. The company is capitalized at $300,000. Cotton will be planted next season. Sixteen miles of ditches are projected in the south end of the valley this season and the Mutual Water Co. is rushing construction work.

FRESNO, Fresno Co., Cal.—May 3rd is the date set by the County Supervisors to vote on the question of forming the Foot-Hill Irrigation District, covering practically all of the Fresno county citrus belt and a part of that lying in Tulare County.

D. M. Barnwell is County Clerk.

### LIGHTING SYSTEMS

KING CITY, Monterey Co., Cal.—The installation of a system of electroliers for the new King City bridge is being advocated by the King City Chamber of Commerce which estimates that a system can be installed for $2,000 and can be maintained for $200 per year

The matter will be presented to the King City officials in the immediate future.

A. B. Reynolds is City Clerk.

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New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

## MACHINERY.

SAN FRANCISCO—Bids will be received until 2 P. M., April 21, 1920, by the San Francisco Board of Public Works for furnishing and mounting automobile bus bodies, Contract No. 123, Municipal Railway System.

Plans and specifications are on file in the office of the Board, City Hall.

W. J. Fitzgerald, Acting Secretary.

MODESTO, Stanislaus Co., Cal.—The contract for sinking an 18-inch well for the city water system in the northeastern section of the city has been awarded by the City Council to Howell & Bowman at $2,132.55.

GRIDLEY, Butte Co., Cal.—The City Council, John Felleman, City Engineer, has awarded a contract to the United States Cast Iron Pipe & Foundry Co., Monadnock Bldg., San Francisco, at $10,954 for furnishing and delivering pipe and fittings to be used in connection with street improvements.

MODESTO, Stanislaus Co., Cal.—The City Council has awarded a contract to the American Cast Iron Pipe Co., for furnishing and delivering 11,000 ft. of cast iron water pipe; bids varying from $1.00 to $2.08 per lin. ft. The U. S. Cast Iron Pipe and Foundry Co. of San Francisco submitted the only other bid, ranging from $76 to $79 per ton.

SAN FERNANDO, Los Angeles Co., Cal.—R. B. Wood & Co., of Philadelphia, were awarded the contract at $92.50 per ton, f. o. b. San Fernando, for furnishing 200 tons of 6-in. and 8-in. Class B cast iron pipe for the city water system. Crane Co. was awarded the contract for furnishing about 8,000 feet dipped screw casing at $55.25 per 100 feet for 4-in. and $157.20 for 8-in. pipe.

SANTA ROSA, Sonoma Co., Cal.—The requisition of Lloyd Aldrich, County Highway Engineer, presented at the last meeting of the County Supervisors for equipment aggregating about $32,000 for handling concrete materials at the mixer by means of railroad and cars was approved.

W. W. Felt Jr., is County Clerk.

## SEWERS, STREET WORK & WATER SYSTEMS

SALINAS, Monterey Co., Cal.—The City Council has instructed Donald F. Davies, City Engineer, to prepare plans for the improvement of Central avenue, Gabilan, Market, North Main and Harvest streets.

All of these streets are waterbound macadam, with the exception of Harvest, which is unimproved. The work contemplated on the waterbound macadam streets is in the nature of repairs and includes scarifying, resurfacing and oiling.

Central avenue is to be repaired its full width from Main street to Capitol, with a strip twenty-five feet wide in the center from that point westerly.

Gabilan street will be repaired from Salinas street to Capitol, Market street from Main to Natividad, and North Main from Main to the Southern Pacific crossing.

The improvement of Harvest street will include the laying of concrete curbs and gutters from Main street to California and the laying of an oil-bound macadam roadway on that portion. M. R. Keef is City Clerk.

FRESNO, Fresno Co., Cal.—County Engineer Chris P. Jensen has recommended that the Supervisors reject the bids received for the Fowler-Selma unit of the county highway system as being too high. The Supervisors are now considering the establishment of a County Highway Department whereby the work may be done under the "force account" plan. Bids were received on the Selma-Fowler unit (Routes 22, Section A, and 23 Section A), as follows:

"Specifications No. 1."—Hugh Crummey, $29,807 per mile.

"Specifications No. 2."—Hugh Crummey, $29,128 per mile; Federal Construction Co., $29,313 per mile.

"Specifications No. 3."—Hugh Crummey, $27,000 per mile.

"Specifications No. 4."—Hugh Crummey, $26,130 per mile; Federal Construction Company, $26,084 per mile.

OLYMPIA, Wash.—The Washington State Highway Commission has awarded contracts for state highway improvements as follows:

Grading and paving about 3.75 miles of Inland Emprie highway, between Buroker and Dixie, to A. Guthrie & Co. of Portland, at $135,697.

Constructing 80-foot span reinforced concrete bridge on Pacific highway over South Slough between Marysville and Silvana, to Everett Construction Co., Everett, at $16,678.

Clearing, grading and surfacing with gravel about 7.72 miles of Inland Empire highway between Shewalh and Valley, to Triangle Construction Co., Ritzville, at $95,441.

Clearing, grading and surfacing with gravel about 6 miles of Inland Empire highway, between Olson's ranch and Springdale, to Triangle Construction Co., Ritzville, at $81,365

Clearing, grading and surfacing with gravel about 2 miles of the Navy Yard highway between Clifton and Holyoke creek, to J. S. Gailbraith Construction Co., Seattle, at $24,678.

The following low bids were rejected:

Grading and paving about 4.5 miles of National Park highway between Muck creek and Ohop valley. D. A. Williams Co., Tacoma, at $189,809.

Grading and paving about 3 miles of Olympia highway between Thurston county line and Kamilche. Independent Asphalt Paving Co., Seaboard Bldg., Seattle, at $133,008.

SAN DIEGO, Cal.—A wood stave pipe line is being laid from the San Dieguito Mutual Water System to the city limits by Col. Ed. Fletcher and W. G. Henshaw as a part of the line to connect with the city water system at La Jolla. An 18-in. cement pipe line will be laid in the city for a distance of 15,000 ft. north of La Jolla. Plans and specifications are being prepared by City Engineer Rhodes and bids will be called for when council decides how the work is to be supervised.

SANTA MONICA, Los Angeles Co., Cal.—J. D. Kneen Contracting Co., Dudley Block, Los Angeles, was awarded the contract for improving Ocean avenue between Hollister avenue and Bay street, involving 49,080 sq. ft. grading at 3.4c sq. ft., 49,080 sq. ft. 3½-in. asphaltic concrete base with 1½-in. asphalt wearing surface at 19.9c sq. ft., 1970 sq. ft. concrete gutter at 28c ft., 1170 sq. ft. cement sidewalk at 18.5c ft., 380 lin. ft. concrete curb at 43c ft., 960 ft. 6-in. vitrified pipe house connection sewers at $1.85 ft., and bringing manholes to grade $5 each.

POMONA, Los Angeles Co., Cal.—No bids were received by the City for the $200,000 bonds voted for street improvements. The proceeds of the bonds could not be used for 5 months and the city will proceed in the meantime with Vrooman act street improvements, selling the bonds later.

RIVERSIDE, Riverside Co., Cal.—New proceedings for the paving of Magnolia avenue will be instituted by the City Council which has rescinded its action accepting the bid of the city street department for doing the paving.

RICHMOND, Contra Costa Co., Cal.—Up to April 12th, 8:30 P. M., bids will be received by A. C. Faris, City Clerk, for the improvement of Wall avenue, between 41st street and the east city limits by grading and paving with a base of 2" screenings, 5 inches of cement concrete base and wearing surface of asphalt and broken rock, concrete curbs, gutters, sidewalks and wingwalls, steel curb bars, corrugated iron or steel and concrete culverts, salt glazed vitrified sewer pipe with 4-inch sewer connections.

VALLEJO, Solano Co., Cal.—City Engineer T. D. Kilkenny reported at the last session of the Council that he was ready to proceed with the survey for paving a road over Tideland Survey No. 22 from Tennessee street to the causeway and paving Alabama street from its present paved area to the waterfront. Alf E. Edgecumbe is City Clerk.

MAYFIELD, Santa Clara Co., Cal.—Resolution of intention No. 1 has been passed by the City Council providing for the improvement of Cambridge avenue, Lincoln, Sheridan, Sherman, Third and Bowdoin streets.

The work will consist of grading, constructing concrete curbs and paving. S. M. Cuthbertson is Town Clerk.

HOLLISTER, San Benito Co., Cal.—F. A. Pellegrano & Co., at $2,947 submitted the lowest bid to the City Trustees for the construction of a sewer to the San Benito County Canning Company's plant. This bid was taken under advisement. Bids were also submitted by H. Gould, Chambers & DeGother and Jno. Geary & Sons.

SAN LEANDRO, Alameda Co., Cal.—For the purpose of extending the Oakes Boulevard from the present east terminus to the west line of Woodland avenue, in Cherry Acres, the City Trustees have decided to form a district under the Improvement Act of 1911, which will allow the assessing of property owners to finance the work.

J. J. Gill is City Clerk.

PETALUMA, Sonoma Co., Cal.—The City Council, Lyman Green, Clerk, has approved plans and specifications for the North Main street and Main street sewers between Oak and Kent streets, and a call for bids will be issued within the next few days.

SANTA CRUZ, Santa Cruz Co., Cal.—Plans for grading and construction of culverts between Santa Cruz and Felton will probably be ready for approval at the April session of the County Board, according to Lloyd Bowman, County Highway Engineer.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, Clerk, have passed resolution of intention No. 1482 providing for the improvement of 13th street between R and X streets by grading and paving with asphaltic concrete 5½ inches thick.

GLENDALE, Los Angeles Co., Cal.—A resolution of intention to pave Sycamore canyon road about 6000 ft. in length and portions of Verdugo road, Lexington Drive and Broadway was adopted by the City Trustees on March 25. The work will include grading and laying 5-in. and 4-in. concrete pavement, and constructing cement curb, sidewalk, reinforced concrete and steel culverts. Work will be done under Improvement Act of 1911. H. A. Eddy, City Engineer.

SEATTLE, Wash.—Bids will be received by the King County Commissioners up to April 19th for hardsurfacing a four mile stretch of the Kent-Black Diamond highway, estimated to cost $124,000, this estimate being based on the construction of a 20-foot coarse concrete highway.

SAN FRANCISCO—Over half a million dollars to be spent in city improvements has been asked by the City Attorney of the Finance Committee of the Board of Supervisors in the coming budget for 1920-21. The expenditure of the funds is mapped out as follows in the request:

| | |
|---|---|
| Ocean beach esplanade extension | $200,000 |
| Convenience stations | 100,000 |
| Street work fronting city property | 50,000 |
| Evans avenue viaduct | 40,000 |
| Great highway sewer extension | 27,000 |
| New Stanyan street sewer | 20,000 |
| Mission street overflow outlet sewer | 12,000 |
| Street sign installation | 5,000 |

Appropriation of $30,000 for a police signal light system in the Richmond, Mission and Bush street district, and another of $24,500 for an underground cable fire alarm call system in the Richmond district, is asked by Arthur Kempston, Chief of the Department of Electricity.

MODESTO, Stanislaus Co., Cal.—Up to 5 P. M., April 14th, bids will be received by W. O. Thompson, City Clerk, for paving the following street intersections:

Park Ave. and Alice St., Park Ave. and Wright St., 13th and D St., 13th and E and 13th and F streets.

Certified check of 10% payable to the Mayor required.

MODESTO, Stanislaus Co., Cal.—The City Council, W. O. Thompson, Clerk, has passed resolution of intention No. 153 N. S. providing for the improvement of Lee street from McHenry avenue to Johnson street, by grading and paving with a 4 inch cement concrete base and Bitulithic wearing surface 1½ inches thick and constructing cement concrete curbs and gutters.

ABERDEEN, Wash.—Up to April 21st bids will be received by A. H. Blood, City Engineer, for the construction of a complete trunk and lateral sewer system in Districts 578, 579, 580 and 581.

Further information may be had from Nellie Thrift, City Clerk.

STOCKTON, San Joaquin Co., Cal.—The City Council, A. L. Banks, Clerk, has rejected bids received for the construction of a 72-inch concrete storm water sewer and wooden bulkhead across Miner Channel at El Dorado street. The work will be done by the City Department of Public Works.

BERKELEY, Alameda Co., Cal.—W. J. Schmidt, 1500 Sacramento St., Berkeley, has been awarded a contract by the City Council, A. G. Briggs, Clerk, for grading the northern half of the James Kenney Park in North Berkeley, he being low bidder at $1,470. The Council has appropriated $1600 to cover the cost of the contract.

LOS ANGELES, Cal.—The Board of Public Works has refused to release Fairchild-Gilmore-Wilton Co. from its contract for paving Brand Blvd., amounting to about $93,000, and has notified the company to proceed with the work.

PHOENIX, Ariz.—Until 2 p. m., April 22, bids will be received by the Maricopa County Highway Commission No. 5, N. 17th Ave., Phoenix, for constructing any or all of the highways constituting the authorized road building program, 278 miles, or such portion of same as funds available will permit. Bids will be taken for cement concrete, Warrenite or bituminous base. Warrenite on compressed filled broken stone foundation and asphaltic concrete on compressed filled broken stone foundation. Standard plans, specifications and profiles are on file at the office of the commission. Specifications may be obtained on payment of $5. Certified check for 5 per cent required.

LOS ANGELES, Los Angeles Co., Cal.—S. R. Brawner, civil engineer, 621 W. Vernon Ave., is preparing plans for a subdivision of 500 acres in Old Topanga Canyon above Santa Monica for Columbus Cheney. The tract will be divided into villa sites of 10, 20 and 30 acres. A pumping plant and reservoir and water distributing system will be constructed, the water supply being obtained from springs on the tract. Streets will also be laid out and graded. Surveys are now in progress.

SAN BERNARDINO, Cal.—The Supervisors have ordered Hellman Ave. in the Cucamonga District to be paved at the expense of the property owners, a majority of the owners being in favor of the improvement. The pavement will be 2 miles in length and will cost about $130,000.

BAKERSFIELD, Kern Co., Cal.—The City Council, V. Van Riper, City Clerk, has passed resolution of intention No. 376, providing for the improvement of that portion of Union Ave., from Truxton Ave. to Sumner St., to be known as Street District No. 2. Plans provide for grading and tamping of sub-base and 3-ft. shoulder, constructing asphaltic concrete pavement with Warrenite-bitulithic wearing surface, and concrete culverts covered with corrugated iron, with cast iron manholes with steel covers.

BERKELEY, Alameda Co., Cal.—The City Council has appropriated $2,500 to secure the services of a competent engineer to make a study of possible water resources with the idea of the city obtaining a municipal water supply.

A. G. Briggs is City Clerk of Berkeley.

WOODLAND, Yolo Co., Cal.—Up to April 12th, 2 p. m., bids will be received by the Yolo County Supervisors, Asa G. Proctor, County Highway Engineer, for the construction of a highway from Coil's Corner to Knights Landing with a net length of layout of 10.77 miles and designated as Prefix 3 of Yolo County Highways. The estimates of the County Engineer provide for 20,313 cu. yds. of earthwork and 909,936 sq. ft. of pavement. Bids will be taken for various types of pavement.

Plans may be seen at the office of the County Clerk, H. R. Saunders, at Woodland.

BAKERSFIELD, Kern Co., Cal.—Up to April 12th, 6 p. m. bids will be received by V. Van Riper, City Clerk, for the improvement of a portion of Sumner avenue, from King street to East Truxton avenue, and a portion of East Truxton avenue between Sumner and east city limits, by grading and paving with a 4-inch asphaltic concrete base with a 1½-inch Warrenite-Bitulithic wearing surface, concrete culverts covered with corrugated iron and cast iron manhole frames with steel covers.

Separate bids will be received on the same date for the improvement of a portion of 24th street between M and V streets, including intersections, by grading, surfacing with oil and crushed rock screenings and constructing concrete curbs and gutters.

Certified check for 10 per cent to city required.

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MIAMI, Ariz.—Thomas & Nichols have been retained by the City as Engineers for the proposed sewer system and disposal plant. Prof. C. S. Nichols is head of the department of sanitary engineering of Iowa State College at Ames, Ia. R. G. Thomas is located at Miami, having been city engineer for the last ten months.

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HOLBROOK, Ariz.—John Turley was awarded the contract at $10,946.10 for constructing Section 3, Holbrook- St. Johns highway, in Petrified forest. Following is a list of bids received:

John Turley—(a) 16,100 cu. yds. unclassified excavation, 38c yd.; (b) 145 ft. 18-in. corrugated metal pipe culvert, 59c ft.; (c) 193 ft. 24-in. pipe, 50c ft.; (d) 48 ft. 30-in. pipe, 59c ft.; (e) 330 cu. yds. Class A concrete, $10 yd.; (f) 79.3 cu. yds. Class C concrete, $7 yd.; (g) 93.7 cu. yds. Class B concrete, $8 yd.; total, $10,946.10.

Udall & Morgan, total, $11,440.

Tanner Bros., total, $15,427.20.

J. P. Richards, total, $15,427.20.

Engineer's estimate—total, $21,798.25.

The state will furnish materials estimated to cost $24,262.30. Thos. Maddock, State Engineer.

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VENTURA, Ventura Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the only regular bid and was awarded the contract at $25,850 for constructing a 4-inch asphaltic concrete pavement on 1½ miles of Foothill road ½ mile east of Ventura, involving 3400 cu. yds. of excavation at 80c cu. yd.; 7800 lin. ft. shaping roadbed at 16c ft.; 48½ cu. yds. concrete in culverts at $20 yd.; 3100 lbs. reinforcing steel at 10c lb.; 2000 ft. B. M. lumber in bulkheads at $100; 125,600 sq. ft. asphaltic concrete paving at 16c ft. For concrete paving, involving 1551 cu. yds. concrete, the company bid $6.50 cu. yd., making its bid for concrete pavement $25,850, the county to furnish materials estimated to cost $10,573. One other bid was submitted without certified check and it was not considered. Chas. Petit, County Surveyor.

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VALLEJO, Solano Co., Cal.—A petition presented by property owners seeking the improvement of Porter street between Lemon and McLean has been referred to City Engineer T. D. Kilkenny for report.

ALBUQUERQUE, N. M.—Gallagher & Co., submitted the lowest bid at $63,340.45, government to furnish explosives, and at $64,843.15, contractor to furnish explosives, for constructing Section 3 of the Oracle-Apache road in the Coronado national forest, Pinal County, Arizona. H. E. Williams of El Paso, Texas, submitted the only other bid at $73,002.77, government to furnish the explosives. Engineer's estimate, $64,263.92, including allowance for contingencies. The unit prices on Gallagher & Co.'s bid were: Clearing and grubbing, lump sum, $5900; 15,027 cu. yds. rock excavation, $1.85 and $1.95 yd. 13,526 cu. yds. common excavation, 75c yd.; 5.86 miles finishing earth road, $100 per mile; 34 cu. yds. Class C concrete, $25 yd.; 125 cu. yds. dry rubble masonry walls, $18 yd.; 166 ft. 18-in. metal pipe, $3.25 ft.; 720 ft. 24-in. metal pipe, $3.75 ft.; 31 cu. yds rip-rap, $2.50 yd.; 50.74 M ft. trestle bridge materials, $120 per M; 2285 lbs. iron in bridge, 12c lb.; 1373 lin. ft. peeled logs for foot bridge, $1.00 ft.; 79 lin. ft. log culverts, 6x8 ft., $5 ft.; 3 log bridges, 20 ft. span, $600 each; 2 log bridges, 10 ft. span, $500 each; 178 sq. yds. grouted stone pavement, $4 yd.; 3 stock guards, $200 each; 500 lin. ft. protection ditches, 50c ft.

H. E. Williams submitted the only bid at $71626, government to furnish explosives, for constructing Section 2, Oracle-Apache road, 5.4 miles, in Pima Co. Engineer's estimate, $64,044.86. E. S. Wheeler, acting district engineer, U. S. Bureau Public Roads.

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PORTLAND, Ore.—The Oregon State Highway Commission, Yeon Bldg., Portland, has awarded the following contracts for highway and bridge projects:

Gilliam County, Columbia highway: Bialock to Arlington, gravel surfacing, 7 miles. Porter & Connelly, $44,825.

Wallowa County, canyon section, grading 8.4 miles. A. D. Kern, $112,336.

Wasco County, Columbia highway, Seufert-Deschutes section, grading, 12.5 miles. James F. Clarkson Co., $189,871.

Wasco County, Columbia highway, Big Eddy concrete viaduct, Colonial Building Co., Spokane, $16,928.

Wasco County, overhead crossing at Dillon, Columbia highway, Colonial Building Company, $20,505.

Wasco County, Columbia highway, viaduct near Seufert, Colonial Building Company, $32,405.

Crook County, McKenzie highway, bridge at Prineville, Oskar Huber, $3,970.

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SANTA ROSA, Sonoma Co., Cal.—Bids received by the County Supervisors, W. W. Felt Jr., County Clerk, for the construction of the Petaluma-Sonoma Highway, Section B and on the Sonoma State Highway in the Sonoma District, have been rejected as being too high. Bids were submitted by J. A. Fairbanks, G. W. Connor & H. A. Hansen, and A. J. Grier.

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BAKERSFIELD, Kern Co., Cal.—The City Council has decided to pave Sumner street in East Bakersfield from King street to the Edison county highway, and Union avenue from Truxtuz north to Sumner. Council also ordered 24th street between E and M streets improved by grading and oiling.

MODESTO, Stanislaus Co., Cal.—F. R. Ritchie, San Francisco, has been awarded a contract by the Stanislaus County Supervisors for surfacing approximately ten miles of county highway at 5½ cents per square foot.

The roads to be surfaced include stretches between Modesto and Empire and the Glendora road from a point three and one-half miles west of Turlock to the Crows Landing road and thence a mile toward Newman.

H. Benson is County Clerk.

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STOCKTON, San Joaquin Co., Cal.—The City Council has awarded a contract to Tumelty & Hall, 1915 N-El Dorado street, Stockton, for the installation of storm water sewers in Lake Park, at $2,492. Other bidders were:

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|---|---|
| C. B. Hodson Co. | $2,828.84 |
| Chambers & De Golia | 2,631.20 |
| E. A. Burns | 2,819.60 |
| F. E. Clinch | 3,084.26 |

A. L. Banks is City Clerk.

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EAGLE ROCK CITY, Los Angeles Co., Cal.—A resolution of intention for the paving of Central Avenue was adopted by the city trustees on March 15. The city has voted $33,000 to pay a portion of the cost of this improvement the remainder to be paid by the property owners. The work will be done under the Improvement Act of 1911 and involves approximately 198,000 sq. ft. of 5-in. concrete paving, 150 lin. ft. cement curb and 725 sq. ft. sidewalk. T. A. Jordan of the Engineering Service Corporation, Washington Bldg., Los Angeles, is the City Engineer.

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RENO, Nevada—The Ormsby County Commissioners, Daniel E. Morton, Clerk, has awarded a contract to Morton & Quill, Carson City, Nevada, for furnishing 7,000 tons of crushed rock in a stock pile at its rock crushing plant near the north city limits of Carson City. Other bids were: Gavin & Neidt, Reno, $1.65 per ton; the Sellman Construction Co., Reno, $1.68 per ton; Morton & Quill, Carson City, $1.59 per ton.

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SACRAMENTO, Cal.—The City of Sacramento in a complaint against the Southern Pacific Company filed with the Railroad Commission asks the Commission to compel the railroad company to construct a subway under its tracks at the intersection of 16th and "B" streets. The Commission is also asked to apportion the cost of construction between the City and the railroad company. The subway is desired by the City as a means of relieving the serious traffic situation caused by the travel across the bridge built by the City over the American River. There is a subway at 12th and "B" streets which, however, is said by the City to be insufficient to accommodate the travel.

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MODESTO, Stanislaus Co., Cal.—At aproximately $35,000, the Standard Paving Company of Modesto, the only bidder, the City Council has awarded contracts for paving Thirteenth street from D to F; Park avenue, from Needham to Stoddard, and the intersections of 15th and H, 14th and G, 14th and E, 14th and F, 14th and D, Alice and Elmwood, Wright and Elmwood, 5th and Washington, 5th and K, and 5th and J streets.

MANHATTAN BEACH, Los Angeles Co., Cal.—Until 8 P. M., April 14, new bids will be received by City Clerk Llewellyn Price for improving Second street, involving 1784 cu. yds. excavation, 8980 sq. ft. 4-in. concrete paving, 560 sq. ft. repaving, 1030 ft. of 2x13-in. redwood headers, 340 lin. ft. curb, 590 ft. 1-in. conduit, 7 lighting standards, storm drain and concrete stairway. Work will be done under Vrooman Act. Plans may be obtained from Victor H. Staheli, City Engineer.

VENTURA, Ventura Co., Cal.—The Supervisors of Ventura County have decided to construct the Wheeler Springs road, about ¾ mile long, by force account under the direction of County Surveyor Chas. Petit. The work will involve 16,000 cu. yds. excavation and 200 cu. yds. rubble masonry.

FLORENCE, Ariz.—Until 2 P. M., April 19, bids will be received by the Final County highway commission at Florence, Ariz., for grading and paving a street in Superior, involving 350 cu. yds. excavation, 84 cu .yds. concrete, 2046 lbs. reinforcing steel, 30 cu. yds. rubble masonry, 74 ft. 24-in. pipe culvert, 250 cu. yds. culvert excavation and 2350 sq. yds. concrete paving. Plans and specifications may be obtained from the commission on payment of $5. E. G. Dentzer, secretary, W. W. Lane, highway engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—City Commissioner J. A. Pilkington has announced that arrangements have been concluded for the construction by the city of a twenty-foot boulevard along the esplanade for its full length from the municipal wharf approach to a junction in front of the Casino with Beach street. Incidentally Westbrook street is to be improved leading from First street to the new esplanade drive.

S. A. Evans is City Clerk.

VALLEJO, Solano Co., Cal.—The City Council, T. D. Kilkenny, City Engineer, has adopted a resolution providing for the construction of cement sidewalks in all sections of the city where the streets are paved.

April 19th is the date set for a final hearing on the proposed improvement.

Alf. E. Edgecumbe is City Clerk.

SANTA BARBARA, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, was awarded the contract at $20,316.25 for paving Victoria St. and the contract at $18,-357.18 both jobs. The unit prices by Fairchild-Gilmore-Wilton Co. were: 25.3c sq. ft. for 4-in. bituminous base with 1½-in. Warrenite surface or 5½-in. Warrenite-bitulithic; $1.37 lin. ft. for combined cement curb and gutter; 65c ft. for cement curb; $1 ft. for stone curb and 27c sq. ft for cement sidewalk.

BAKERSFIELD, Kern Co., Cal.—The Valley Construction Co. was awarded the contract at about $11,100 for constructing sewers in the district between I and L streets and 19th and 20th streets. The unit prices are: 10-in. sewer, $7 ft.; 8-in., $6.90 ft.; manholes, $105 each; lamp poles, $15 each; concrete pavement, 24c sq. ft.; concrete curb 56c lin. ft.

GRIDLEY, Butte Co., Cal.—The City Trustees have approved plans and specifications prepared by John Felleman, City Engineer, for the improvement of Virginia street from Magnolia to Cedar by placing a crushed rock oil macadam pavement. The work will cover two blocks.

NAPA, Napa Co., Cal.—W. J. Schmidt, 1600 Sacramento St., Berkeley, submitted the low bid to the Napa County Supervisors for county highway work between St. Helena and Calistoga at $112,865.50, and he will probably be awarded the contract. Other bidders were:

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|---|---|
| P. L. Burr, San Francisco | $160,655.00 |
| Ransome-Randle Co., Oakland | 122,167.41 |
| Ramon J. Blanco, Vallejo | 119,065.25 |

VISALIA, Tulare Co., Cal.—Owing to the absence of City Attorney E. I. Freemster at the last meeting of the City Trustees the matter of street improvements was laid over until the next session. The first street improvements planned by the Trustees include East Mineral King avenue, North Park around the Lincoln school, West Acequia, and the streets connecting with the Woodlake and Dinuba highways.

RED BLUFF, Tehama Co., Cal.—According to a notice filed with the Railroad Commission by the Board of Supervisors of Tehama County a new road is to be established in Road District No. 3 of that county. The road will start from the county road a short distance easterly from the east end of the Sacramento River Bridge at Tehama and cross the lands of the Los Molinos Land Company, Louise Harvey, Mary R. Runyon and the Southern Pacific Company.

H. G. Kuhn is Clerk of the Board of Supervisors.

SANTA CRUZ, Santa Cruz Co., Cal.—At the last meeting of the City Council, S. A. Evans, Clerk, Commissioner Pilkington reported that he had given General Manager Coleman of the Union Traction Company an estimate on the Warreniting of the Union Traction Company's tracks from the top of Mission Hill to a point opposite the Pope house at $1845.04. The estimate was figured at 8 cents a square foot.

STOCKTON, San Joaquin Co., Cal.—The City Council has ordered bids received for furnishing and delivering 6000 barrels of cement to be used in the improvement of streets.

Bids were also ordered called for the construction of a corrugated iron culvert and earth fill with guard rails across the McDougald Canal at Church street. A. L Banks is City Clerk.

EL MONTE, Los Angeles Co., Cal.—Until 12, noon, April 10, Bids will be received by L. M. Meeker, at the First National Bank of El Monte, for grading, graveling and oiling about 6,000 lin. ft. of roads in Tract 3480, southwest of El Monte. Certified check for 10 per cent required. Plans and specifications may be seen at the First National Bank.

SANTA ROSA, Sonoma Co., Cal.—Bids have been ordered received by the County Supervisors, W. W. Feit Jr., Clerk, for the Sebastopol-Cotati concrete highway for a distance of 2.86 miles southerly from the city limits of Sebastopol. It is probable that the bids will be opened April 16th.

ELSINORE, Riverside Co., Cal.—The City Trustees have instructed Engineer Paul E. Kressly, Newport Beach, to prepare plans and specifications for paving Spring street and Limited avenue, Elsinore, with 5-in. concrete pavement. This work will probably be ready for bids about May 15.

# Official Proposals.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by undersigned **until 2 o'clock P. M., April 12, 1920,** for constructing the following sections of the State Highway System in Nevada:

State Highway from .65 miles south of Steamboat to 1 mile south of Huffakers, Washoe County, 4.14 miles. Work consists of preparing sub-grade and laying concrete base 15 feet wide 6 inches thick.

State Highway from Zola to Mill City, Pershing County, 27.81 mile. Work consists of grading and gravel surface and construction of culverts.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the County Clerk's office in Reno and Lovelock. Cash deposit of $15.00 with undersigned required for copy of plans which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department and accompanied by a certified check in an amount of 5% of the bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### BIDS WANTED FOR KITCHEN EQUIPMENT.

Your attention is invited to the fact that proposals will be opened in the near future on drawings and specifications No. 4097, covering Kitchen Equipment for six Barracks Buildings, Marine Corps Base, San Diego, California.

The drawings and specifications may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, 12th Naval District, Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The six kitchens are to be provided with modern and adequate equipment, which is to be properly installed and connected to steam, gas, vent, water, waste and drip services.

The estimated cost is $22,000.00.

Yours truly,
R. L. MORTON,
Lieutenant Commander (CEC), U. S. N. By direction of the Public Works Officer.

### BIDS WANTED FOR MEMORIAL BUILDING.

### NOTICE TO BIDDERS.

NOTICE is hereby given that the Board of Capitol Commissioners, Carson City, Nevada, will receive bids for the following items in the construction for a "Heroes Memorial" Building at Carson City, Nevada, according to official plans and specifications on file with said Commission and the State

Architect's Office, Reno Nevada, viz:
1. General construction.
2. Plumbing and heating.
3. Oil equipment.

The Drawings and specifications may be secured at the office of F. J. De Longchamps, State Architect, 334 Gazette Building, Reno, Nevada.

A deposit of $10.00 will be required for each set of drawings and specifications taken from the Architect's Office.

Bids will be received at the office of the Secretary of Board of Capitol Commissioners, Carson City, Nevada, not later than **10 A. M., on April 19, 1920.**

All bids shall be sealed in opaque envelope and addressed to Board of Capitol Commissioners, Carson City, Nevada, and marked "Bids for Heroes Memorial Building." Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the amount of the bid.

The Board of Capitol Commissioners reserves the right to accept or reject any or all bids.

Authorized this 16th day of March, 1920, by the Board of Capitol Commissioners, Carson City, Nevada.

HOMER MOONEY,
Clerk of Board of Capitol Commissioners.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned **until 2 o'clock P. M., April 19, 1920,** for the erection of two Pratt truss highway spans with timber trestle approach and control wier complete over the Virgin River near Bunkerville in Clark County, Nevada.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the county clerk's office in Las Vegas. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### STATE OF CALIFORNIA.

### DEPARTMENT OF ENGINEERING.

### CALIFORNIA HIGHWAY COMMISSION

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on April 12,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Yolo County, between Woodland and Zamora (III-Yol-7-B), about 10.7 miles in length to be paved with Portland cement concrete.

Shasta County, between Southerly Boundary and Redding, (II-Sha-2-A), about 15.7 miles in length to be paved with Portland cement concrete.

Fresno County, between Oil King School and Huron Road, (VI-Fre-10-E), about twelve (12) miles in length to be paved with Portland cement concrete.

Santa Cruz and Santa Clara Counties, between Glenwood and Los Gatos, (IV-S.Cr.-5-A & S.Cl.-5-B), about 13.6 miles in length, to be paved with Portland cement concrete.

Humboldt County, between Dyerville and Fortuna, (I-Hum-1-D.E & F), about 25.2 miles in length, to be paved with Portland cement concrete.

San Diego County, between Flinn Springs and Ogden Ranch (VII-S.D.-12-C & D), about 11.3 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary

Dated March 15, 1920.

### BIDS CALLED FOR EXTENSION TO BUILDINGS AT GUAM.

Drawings and Specification No. 4141 covering Extensions to Power Houses, Pump House, Blower House and Quarters, Naval Station, Guam, M. I.

Attention is invited to the fact that proposals will be opened on the work mentioned above in the near future.

The drawings and specification may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, Navy Yard, Mare Island, Calif., by placing a deposit of twenty dollars ($20.00) as security for their safe return within five days after the award of the contract.

The power house extension at Agana will have concrete foundations and floor, steel frame, exterior walls and roof of galvanized corrugated steel, steel sash and metal covered doors. The extension to the power house at the Radio Station will have concrete frame, concrete walls, composition roofing and steel sash. The quarters will have concrete frame, metal lath and cement mortar walls, composition roofing, wood sash and doors, wood floor and interior finish. The pump house and the blower house will be similar to the extension to the power house at the Radio Station.

The estimated cost is $50,000.00.

R. L. MARTIN,
Lieut. Commander, (CEC), USN.,
By direction of Public Works Officer.

### NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 M., Tuesday, April 13, 1920,** said bids to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete furnishing and installing of Two Gearless Traction Passenger Elevators in the San Francisco State Building, Civic Center, San Francisco, California, in accordance with the plans and specifications therefor, copies of which specifications may be obtained on application to the State Department of Engineering, Sacramento, California; full detailed plans of this building may be seen at the offices of Bliss and Faville, Architects, Balboa Building, San Francisco, California.

Said bids must be submitted on forms furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

(SIGNED) W. F. McCLURE.
State Engineer.

### BIDS WANTED FOR MEMORIAL BUILDING.

### NOTICE TO BIDDERS.

NOTICE is hereby given that the Board of Capitol Commissioners, Carson City, Nevada, will receive bids for the following items in the construction for a "Heroes Memorial" Building at Carson City, Nevada, according to official plans and specifications on file with said Commission and the State Architect's Office, Reno Nevada, viz:
1. General construction.
2. Plumbing and heating.
3. Oil equipment.

The Drawings and specifications may be secured at the office of F. J. De Longchamps, State Architect, 334 Gazette Building, Reno, Nevada.

A deposit of $10.00 will be required for each set of drawings and specifications taken from the Architect's Office.

Bids will be received at the office of the Secretary of Board of Capitol Commissioners, Carson City, Nevada, not later than **10 A. M., on April 19, 1920.**

All bids shall be sealed in opaque envelope and addressed to Board of Capitol Commissioners, Carson City, Nevada, and marked "Bids for Heroes Memorial Building." Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the amount of the bid.

The Board of Capitol Commissioners reserves the right to accept or reject any or all bids.

Authorized this 16th day of March, 1920, by the Board of Capitol Commissioners, Carson City, Nevada.

HOMER MOONEY,
Clerk of Board of Capitol Commissioners.

### BIDS WANTED FOR POWER-HOUSE EXTENSIONS, ETC.

SEALED PROPOSALS, indorsed "Proposals, for Power Houses, Pump House, Blower House, and Quarters, Guma, Specification No. 4141," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., **until two o'clock P. M.,** and at the Public Works Office, Navy Yard, Mare Island, California, **until 11 o'clock A. M., April 14, 1920,** and then and there publicly opened, for power-house extension at Agana, Guma, power-house extension, quarters, a pump house and a blower house at the naval radio station, Guma, Island of Guma. The power-house extension at Agana, about 30 by 38 feet in plan, will have steel frame, galvanized corrugated steel siding and roofing, steel sash and plumbing and electric-lighting systems. The power-house extension, at the naval radio station, about 26 by 35 feet, will have concrete walls, composition roofing, steel sash, and electric-lighting system. The pump house, about 12 by 14 feet, and the blower house, about eight by 16 feet, will be of construction similar to extension of power house. The quarters, about 22 by 47 feet, with wing 18 by 24 feet, will have concrete frame, walls and partitions of metal lath and cement mortar wood trim, sash and doors, and plumbing and electric lighting system. Drawings and Specification No. 4141 may be obtained on application to the Bureau or to the commandant, navy yard, Mare Island, California. Deposit of a check or postal money order for $50.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of the contract. C. W. PARKS, Chief of Bureau. March 5, 1920.
(33920) 1st report Mar. 18, 1920.

### NOTICE TO CONTRACTORS.

BIDS will be received **up to 5 P. M., April 14, 1920,** by the Board of Trustees of the City of San Bruno, San Mateo County, at the City Hall in said City for furnishing and installing a water system consisting of pipes, hydrants and appliances.

Apply to City Clerk for plans, specifications and bidding blanks.

[SIGNED] N. A. WILLITS, Clerk.

### NOTICE TO CONTRACTORS.

BIDS for the construction of Chico High School in accordance with plans and specifications of Woollett & Lamb, Physicians' Building, Sacramento, are being called for.

Bids are to be filed prior to **seven P. M. April 23rd, 1920.** Certified check payable to the President of Chico High School Board, amounting to five per cent of proposal must accompany bid.

CHAS. H. CAMPER,
Clerk, Chico High School District.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

## BUILDING CONTRACTS

### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 809 | Gordan | Owner | 9500 |
| 810 | Nelson | Owner | 3000 |
| 811 | Nelson | Owner | 3000 |
| 812 | Noonan | Binet | 1450 |
| 813 | Hencke | Owner | 500 |
| 814 | Rossi | Bredlow | 800 |
| 815 | Pond | Black | 1000 |
| 816 | Nelson | Owner | 2000 |
| 817 | Union Oil | Owner | 500 |
| 818 | Seid | Owner | 750 |
| 819 | Shelling | Trost | 500 |
| 820 | Incandescent Sup. | Owner | 1500 |
| 821 | De Succa | Holl | 500 |
| 822 | Nelson | Owner | 3000 |
| 823 | Horstman | Owner | 500 |
| 824 | Curtaz | Owner | 18000 |
| 825 | Goldberg | Keegan | 36000 |
| 826 | Bothin | Owner | 20000 |
| 827 | Pacific T & T | Matthies | 1000 |
| 828 | Ettler | Owner | 600 |
| 829 | Lang Rlty | Owner | 8000 |
| 830 | Benson | Owner | 4000 |
| 831 | Guesch | Heaphy | 950 |
| 832 | Branch | Merritt | 500 |
| 833 | Sanders | Owner | 3500 |
| 834 | Barman | Holt | 1600 |
| 835 | Roncelli | Frank | 500 |
| 836 | Koehler | Jacobson | 500 |
| 837 | Nelson | Owner | 5500 |
| 838 | Curran | Wise | 600 |
| 839 | Hagen | Stevens | 5000 |
| 840 | Jones | West Pipe | 6392 |
| 841 | Prevodos | Cohn | 6157 |
| 842 | Perego | Kincanon | 27500 |
| 843 | Douglas | Fink | 500 |
| 844 | Mohr | Munster | 13000 |
| 845 | Sharman | Owner | 3500 |
| 846 | Arnott | Arnott | 6000 |
| 847 | Allen | Owner | 4000 |
| 848 | Welsh | Owner | 10000 |
| 849 | Holst | Greater City Lbr | 3600 |
| 850 | Mahoney | Fennell | 4000 |
| 851 | Micheletti | Owner | 6000 |
| 852 | Natoma .... | Hjul | 100000 |
| 853 | 1st Nat'l Bk | Central Iron | —— |
| 854 | Ortiz | Arnott | 3660 |
| 855 | Haase | Meyer | 10400 |
| 856 | Barth | Owner | 500 |
| 857 | Cal. Invst | Owner | 40000 |
| 858 | Matteucci | Owner | 700 |
| 859 | Clainly | Mullen | 900 |
| 860 | Drexler | Mission | 78000 |
| 861 | Florsheim | Federal | 690 |
| 862 | Coburn | Kragan | 3200 |
| 863 | Happenbeck | Owner | 4000 |
| 864 | Acton | Meyer | 5900 |
| 865 | Pioneer | Clinton | 175000 |

### PERMITS.

ALTERATIONS
(809) SE CLAY AND PRESIDIO AVE. Alterations to present 3 flats so as to make 6 apartments.
Owner—Michael Gordon, 113 Clayton St., San Francisco.
Architect—E. A. Neumarkel, 1566 O'Farrel St., San Francisco.
COST, $9500

DWELLING.
(810) W FORESTSIDE 70 N Ulloa. Two-story and basement frame dwlg.
Owner—Fernando Nelson & Son, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $3000

DWELLING
(811) W MADRONE 218 N Ulloa. Two-story and basement frame dwelling.
Owner—Fernando Nelson & Son, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $3000

STORES
(812) E MISSION 65 N 26th. One-story frame (2) stores.
Owner—J. Noonan, 2416 Folsom St., San Francisco.
Architect—None.
Contractor—John J. Binet Co., 68 Ramona St., San Francisco.
COST, $1450

MOVE DWELLING, ETC.
(813) NO. 710 RUSSIA AVE. Move dwelling and construct foundations.
Owner—Mrs. L. B. Hencke. Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(814) NE SYCAMORE AND MISSION. Alter for two stores.
Owner—P. Rossi & Co., Room 210, No. 26 Montgomery St., San Francisco.
Architect—None.
Contractor—Albert Bredlow, 252 Delano Ave., San Francisco.
COST, $800

ADDITION
(815) NO. 2504 SCOTT. Add bath room to residence.
Owner—S. Pond. Premises.
Architect—None.
Contractor—W. J. Black, 1306 Guerrero St., San Francisco.
COST, $1000

FRAME DWELLING
(816) N ULLOA 50 E Wawona. Two-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $2000

BILLBOARDS
(817) NW POST AND STEINER. Construct 10 ft. bill boards.
Owner—Union Oil Co. of California, 247 Mills Bldg., San Francisco.
Architect—Union Oil Co. of California, Union Oil Bldg., Los Angeles.
Day's work. COST, $500

### PERMITS.

PLUMBING, ETC.
(818) NO. 704 BRODERICK. Plumbing, electric work, partitions, etc., for flats.
Owner—J. Seid, 704 Broderick, San Francisco.
Architect—None.
COST, $750

ALTERATION
(819) NO. 1518 FULTON. Change front for private garage.
Owner—B. Shelling, 605 Baker St., San Francisco.
Architect—None.
Contractor—Robert Trost, 26th and Howard Sts., San Francisco.
COST, $500

ALTERATION
(820) NO. 726 MISSION. Add mezzanine floor in store and alter show windows.
Owner—Incandescent Supply Co., Prem.
Architect—N. W. Mohr, 110 Sutter St., San Francisco.
COST, $1500

ALTERATION
(821) SW MISSION AND 26TH. Extend foundation, new floor, etc., for store.
Owner—James De Succa, Mission and 26th Sts., San Francisco.
Architect—J. C. Holl, 161 Precita Ave., San Francisco.
Contractor—J. C. Holl, 161 Precita Ave., San Francisco.
COST, $500

DWELLING
(822) N PORTOLA 252 W 14th Ave. Two-story and basement frame dwlg.
Owner—Fernando Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $3000

WATER TOWER
(823) NO. 264 SIXTH ST. Construct and set on roof one cooling water tower.
Owner—Horstmann-Hahn (lessee), 264 6th St., San Francisco.
Architect—None.
COST, $500

AUTO SALES ROOM
(824) S TURK 109 W Van Ness Ave. One-story concrete auto sales room.
Owner—O. H. Curtaz, 519 Hayes St., San Francisco.
Plans By Owner.
Day's work. COST, $18,000

DWELLINGS
(825) W TWENTIETH AVE 60, 90, 120, 150, 180 and 210 S Kirkham. Six one-story and basement frame dwellings.
Owner—V. C. Goldberg.
Architect—H. G. Stoner, 207 Mutual Bk. Bldg., San Francisco.
Contractor—Jas. Keegan, 20th Ave. and Kirkham, San Francisco.
COST, $6000 each

REPAIR SHOP
(826) SE VAN NESS AVE AND OLIVE St One-story and basement brick store and repair shop.
Owner—Bothin Real Estate Co., 604 Mission St., San Francisco.
Architect—J. A Ettler, 604 Mission St., San Francisco.
COST, $20,000

### PERMITS.

ALTERATIONS
(827) NO. 445 BUSH ST. Cutting out first floor 6x12 and extend mezzanine floor 6x12.
Owner—Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco.
Architect—Building Dept. of Owner.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $1000

FOUNDATION, ETC.
(828) E FORTY-FIRST AVE 275 N Irving. Concrete foundation and floor, etc., for dwelling.
Owner—J. A. Ettler, 2954 Van Ness Ave., San Francisco.
Architect—Owner.
Day's work. COST, $600

FRAME DWELLING
(829) W MERCED AVE 250 N Kensington. One-story and basement frame dwelling.
Owner—Lang Realty Co., Mills Bldg., San Francisco.
Architect—Owners.
Day's work. COST, $8000

FRAME DWELLING
(830) S NORTHWOOD DRIVE 95 W Montecito. One-story and basement frame dwelling.
Owner—Wilson J. Benson, 1783 Waller St., San Francisco.
Architect—C. F. Strothoff, 2276 15th St., San Francisco.
Day's work. COST, $4000

ALTERATIONS
(831) NO. 344 SUTTER ST. Conatruct booths, marble work, etc., for restaurant.
Owner—Clandis Guesch. Premises.
Architect—None.
Contractor—J. J. Heaphy, 1721 Lombard St., San Francisco.
COST, $970

ALTERATIONS
832) NO. 371 SECOND AVE. Raise residence 2 feet.
Owner—G. W. Branch. Premises.
Architect—Geo. M. Merritt, 3015 Geary St., San Francisco.
Contractor—Geo. M. Merritt, 3015 Geary St., San Francisco.
COST, $500

ALTERATIONS
(833) NOS. 813-816 SCOTT ST. Alter two three-story buildings into four two-room and bath apartmnets.
Owner—Thos. Sanders, 815 Scott St., San Francisco.
Architect—O. E. Evans, 2569 Mission St., San Francisco.
Day's work. COST, $3500

ALTERATIONS
(834) E THIRD AVE 175 N Geary. New front, general interior and exterior changes for 2 flats.
Owner—J. Barman, 3219 23rd St., S. F.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—O. K. Holt, 3877 26th St., San Francisco.
C OST, $1600

ALTERATIONS
(835) NO. 353 TWENTY-NINTH AVE. Cement floor, etc., for garage in rear of cottage.
Owner—Mrs. T. Roncelli, Premises.
Architect—None.
Contractor—Carl Frank, 305 Bocana St., San Francisco.
COST, $500

GARAGE
(836) NO. 1480 WILLARD AVE. Construct private garage.
Owner—M. Koehler, Premises.
Architect—None.
Contractor—J. Jacobsen, 75 Leese St., san Francisco.
COST, $500

(837) E WEST PORTAL 60 S Ulloa. Two-story and basement frame (4) apartments.
Owner—Fernando Nelson & Sons, 2 West Portal Park, San Francisco.
Day's work. COST, $5500

ALTERATIONS
(838) NO. 1375 WALLER ST. General alterations for private garage.
Owner—H. Curran, 1248 Waller St., San Francisco.
Architect—None.
Contractor—L. N. Wise, 1274 Waller St., San Francisco.
COST, $600

ALTERATIONS
(839) NO. 132 DUBOCE AVE. Alter funeral parlor into 2 apartments.
Owner—Mrs. Sarah Hagan, Premises.
Architect—Thos. Smith, 27 Elgin Park, San Francisco.
Contractor—W. J. Stevens, 110 Jessie St., San Francisco.
COST, $5000

**RECORDED**

TANKS
(840) COM 306-2 S ISLAIS and 540 E Third S 100xE 50. All work for three vegetable oil storage tanks.
Owner—S. L. Jones & Co., 138-40 California St., San Francisco.
Engineer—C. A. Watts, 24 California St., San Francisco.
Contractor—Western Pipe & Steel Co. of California, 444 Market St., S. F.
Filed Mar. 31, '20. Dated Mar. 25, '20.
When all material on land..... 50%
On completion ..... 25%
Usual 35 days.....Balance
TOTAL COST, $6392
Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.

ADDITION
(841) N STEVENSON 275 E Seventh N 65xW 35. All work except tile flooring for one-story addition to Imperial Grill.
Owner—Preovolos Bros. Co., 1069 Market St., San Francisco.
Architect—D. A. Reidy.
Contractor—Louis J. Cohn, Merchants National Bank Bldg., S. F.
Filed Mar. 31, '20. Dated Mar. 30, '20.
Walls up .....$1539.25
Roof on ..... 1539.25
Completed and accepted..... 1539.25
Usual 35 days..... 1539.25
TOTAL COST, $6157.00
Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

**PERMITS**

FACTORY
(842) NE BRADY AND OTIS. Two-story concrete factory.
Owner—Grace Perego, 109 Montgomery St., San Francisco.
Architect—None.
Contractor—J. G. Kincanon, 619 Larkin St., San Francisco.
COST, $27,500

ALTERATIONS
(843) NO. 41 EDDY. Remove marquise; new front for store.
Owner—Douglas Realty Co., 557 Pacific Bldg., San Francisco.
Architect—None.
Contractor—Fink & Schindler Co., 228 13th St., San Francisco.
COST, $500

FRAME FLATS
(844) NW FOLSOM AND 26th Sts. Two-story and basement frame (3) flats.
Owner—Anna C. Mohr, 2984 Folsom St., San Francisco.
Architect—M. O'Brien and E. H. Hildebrand, Associated, 68 Post St., San Francisco.
Contractor—Munster & Bornholdt, 1706 Broderick St., San Francisco.
COST, $13000

STORE AND LOFT
(845) E RAILROAD AVE 25 S Quesada Two-story frame store and loft.
Owner—T. L. Sharman, 1440 Shafter Ave., San Francisco.
Architect—None.
Day's work. COST, $3500

FRAME DWELLING
(846) W FAXON AVE 160 and 190 N Grafton. Two one-story and basement frame dwellings.
Owner—Jos. Arnott & Sons, 2426 32nd Ave., San Francisco.
Architect—None.
Day's work. COST, $3000 each

ALTERATIONS
(847) NO. 168 SUTTER. Erect metal lath and plaster partitions; new front; plumbing; electric work, etc., for offices.
Owner—Allen & Co., 125 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Day's work. COST, $4000

FRAME FLATS
(848) NW TWENTIETH AVE AND Balboa. Two-story and basement frame (4) flats.
Owner—James Welsh, 710 19th Ave., San Francisco.
Architect—None.
Day's work. COST, $10,000

FRAME DWELLING
(849) N IRVING 107 W 16th Ave. One story and basement frame dwelling.
Owner—George and Fannie Holst, Premises.
Architect—Greater City Lumber Co.
Contractor—Greater City Lumber Co., 3123 Mission St., San Francisco.
COST, $3600

RESTAURANT
N STEVENSON 275 E Seventh. One-story reinforced concrete restaurant.
Owner—Prevolos Bros., 1075 Market St., San Francisco.
Architect—D. A. Reidy, 1075 Market St., San Francisco.
Contractor—Louis J. Cohn, 625 Market St., San Francisco.
COST, $6157

NOTE:—Recorded contract reported April 1, 1920, No. 841.

**PERMITS**

ALTERATIONS
(850) S BROADWAY 154 W Gough. Alter interior partitions; add bathroom; alter front; plastering, etc.
Owner—Miss Louise Mahoney, Beresford Hotel, San Francisco.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.
COST, $4000

ALTERATIONS
(851) SW CLARK AND DAVIS. Remove partitions, reinforcing floors, etc.
Owner—Micheletti Estate.
Architect—P. Righetti, 668 Phelan Bldg., San Francisco.
Day's work. COST, $6000

MILL
(852) SW SEVENTH AND HUBBELL Frame and concrete rice mill.
Owner—Natoma Rice Milling Co., 82 Natoma St., San Francisco.
Engineer—H. J. Hjul, 850 Monadnock Bldg., San Francisco.
Contractor—H. J. Hjul, 850 Monadnock Bldg., San Francisco.
COST, $100,000

**RECORDED.**

STEEL WORK
(853) W MONTGOMERY 75 N Post W 160xN 100. Steel work for two and three-story and basement Class "A" building (bank and office building.)
Owner—The First National Bank of San Francisco, NW Post and Montgomery Sts., San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—Central Iron Works, 2050 Bryant St., San Francisco.
Filed Apr. 2, '20. Dated Apr. 1, '20.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $17 per ton
Bond, $3750. Surety, Fidelity & Deposit Co. of Maryland. Limit, as required Forfeit, $50. Plans and specifications filed.

RESIDENCE
(854) W MIRAMAR AVE 200 N Holloway Ave 25x112-6, Lot 46 Blk 15, Lakeview. All work for one and one half-story five-room residence.
Owner—Fabian and Guadalupe Ortiz, 3547 22nd St., San Francisco.
Architect—Jas. A. Arnott.
Contractor—Jas. Arnott & Son, 2426 32nd Ave., San Francisco.
Filed Apr. 2, '20. Dated Dec. 11, '19.
Frame up ..... 25%
Brown coat plaster on..... 25%
Completed ..... 25%
Usual 35 days..... 25%
TOTAL COST, $3660
Bond, limit, forfeit, plans and specifications, none.

APARTMENTS
(855) NW GEARY AND SIXTEENTH Ave W 240xN 100. All work for six two-story frame buildings (apartments).
Owner—Elizabeth Haase, 414 Lake St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francoisco.
Contractor—Theodore G. & Rollin E. Meyer, 2628 Anza St., San Francisco
Filed Apr. 2, '20. Dated Mar. 29, '20.
Frames up .....$19,500
Brown coated ..... 19,500
Standing finish on..... 19,500
Completed and accepted..... 19,500
Usual 35 days..... 26,000
TOTAL COST, $104,000
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

**PERMITS.**

FRAME DWELLING
(856) N CRESCENT AVE., bet. Leese and Murray. One-story and basement frame dwelling.
Owner—Wm. H. Barth, 169 Crescent Ave., San Francisco.
Architect—None.
Day's work. COST, $500

APARTMENTS
(857) N CALIFORNIA 75 W Gough. Three-story and basement frame (5) apartments.
Owner—California Investment Co., 593 Market St., San Francisco.
Architect—Erle J. Osborne, 821 Balboa Bldg., San Francisco.
Day's work. COST, $40,000

ALTERATIONS
(858) NO. 617 FRONT. Remove stairs, install new freight elevator and change front for store.
Owner—Mattenucci-Vannucci Co., 607 Front St., San Francisco.
Architect—J. A. Poporato, 619 Washington, San Francisco.
Day's work. COST, $700

ALTERATIONS
(859) NO. 989 MARKET. Alter store front, and erect partitions for restaurant.
Owner—Chris Clainly, Premises.
Architect—None.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco.
COST, $900

SALES ROOMS
(860) N MARKET 55-5 W Van Ness Ave. Three-story concrete sales rooms.
Owner—Elise A. Drexler, Mills Bldg., San Francisco.
Architect—Reid Bros., Commonwealth Bldg., San Francisco.
Contractor—Mission Concrete Co., 407 New Call Bldg., San Francisco.
COST, $78,000

MARQUISE
(861) NO. 120 POWELL. Erect illuminated marquise for store.
Owner—Florsheim-Schaefer Shoe Co., 120 Powell St., San Francisco.

# SOFT WATER

# Permutit

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Make the Hardest Waters Absolutely Soft for the Modern Home.

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W. C. Dallas, 92 Sea View.
**Berkeley.**
C. A. Smith, Claremont Court.
A. Mereen, Claremont Court.
**Redwood City.**
E. R. Diamond, Portola Road.
**Burlingame.**
E. A. Christenson, Hillsborough.
Geo. A. Newhall, Hillsborough.
Mrs. C. W. Penoyer, Hillsborough.
**Oakland.**
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Agents for

The Permutit Company

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**Telephone Douglas 1539.**

**PERMUTIT SOFT WATER.**


Architect—None.
Contractor—Federal Sign System, 91 New Montgomery, San Francisco.
COST, $690

ALTERATION
(862) NO. 272 POST. Change store windows on front.
Owner—E. A. Colburn, Premises.
Architect—None.
Contractor—Louis Kragen, 743 Gough St., San Francisco.
COST, $3200

ALTERATIONS
(863) NO. 1675 SUTTER. Add breakfast room and sun porch, terrazzo steps for residence.
Owner—Chas. Happenbeck, 821 Leavenworth St., San Francisco.
Architect—M. O'Brien and E. H. Hildebrand, associated, 68 Post St., San Francisco.
COST, $4000

DWELLING
(864) E THIRTY-FIFTH AVE. 125 N Geary. One-story and basement frame dwelling.
Owner—Wm. Acton, 737 2nd Ave., San Francisco.
Architect—None.
Contractor—Meyer Bros., 2628 Anza St., San Francisco.
COST, $5900

AUTO SALES BLDG.
(865) SW VAN NESS AVE. and McAllister. Two and three-story reinforced concrete auto sales Bldg.
Owner—Pioneer Investment Co., Golden Gate Ave. and Hyde, San Francisco.
Architect—Sam Heiman, 57 Post, San Francisco.
Contractor—Clinton Construction Co., 140 Townsend St., San Francisco.
COST, $175,000

### NOTICE OF NON-RESPONSIBILITY.

**San Francisco County.**

April 1, 1920—N GREENWICH 137-6 W Scott, W 60-10xN 137-6. Ray Bacchi as to improvements on leased property.
April 1, 1920—N PINE 69-1¾ E Kearny. Edith A. Bull, Kathleen B. Pringle and Walter C. Chidester as to improvements on leased property.
April 2, 1920—W POWELL 94 S Ellis S 41, W 87-6 N 25 W 7-6, N 20-6 E 20 S 4-6 E 75. Mary P. Barron as to improvements on leased property.
Apr. 2, 1920—N SUTTER 137-6 E Mason Vickery Bldg Corp as to improvements on leased property.....
Mar. 29, 1920—NO. 691 MARKET ST. Wm R Hearst., Edward H Clark and W A Magee, exrs and trs Phebe A Hearst, dec'd as to improvements on leased property.....
Mar. 29, 1920—PART LOTS 28, 29, & 30 Blk 73. Fresno. Estate W M Wyatt et al as to improvements on leased property.....
March 30, 1920—NW TWENTIETH and Mission N 25xW90. William S. Ehrenpfort as to improvements on leased property.
March 30, 1920—NW FOLSOM 276 SW 3rd SW 76xNW 155. Henry E. Holmes as to improvements on leased property.
Mar. 31, 1920—N ELLIS 93-6 W Powell N 137-6 W 44 N 20 W 94-4½ S 20 E 60 S 137-6 E 78-4½. Robert P Keating Estate Co as to improvements on leased property..

### LEASES.

**San Francisco County.**

Apr. 1, 1920—S GOLDEN GATE AVE. No. 523 Golden Gate Ave. Robert G Hooker to George W Miller. 2 years. $9750.
Apr. 1, 1920—W ATALAYA TERRACE bet. Fulton and McAllister, No. 22 Atalaya Terrace. Elizabeth Catherine Moffat to Major John H Skeggs 2 years. $1800.
Apr. 1, 1920—NO. 1609 FILLMORE. Jos Erlach to Samuel Swechar. 1 year. $70 per month.
April 2, 1920—NW CLAY AND SPRUCE 223 Spruce St. S. M. Everding to Henry G. W. Dinkelspiel; 3 years; $3,625 and option to renew.
Mar. 29, 1920—E SANSOME bet. Pine and California; No. 220 Sansome. Esther G Henderson to Royal Insurance Co. 3 years. $6300.
Mar. 29, 1920—NO. 1158 GREEN ST. Joseph Friedman to Harry S Ross. 1 year. $780.
March 30, 1920—SE FOURTH and Mission, 115 4th St. Annie M. Faxon to William Bohling and Frank Flamm; 2 years; $1410.
Mar. 31, 1920—NW HAYES & BAKER 55 on Baker and 100-10½ on Hayes; No. 401 Baker. E W Lech to D J Morrison. 3 years. $100 per month.
March 31, 1920—NO. 1015 VAN NESS. Dr. C. F. Buckley to Mrs. Carrie H. Sener; 3 years; $30,100.
March 31, 1920—E SHRADER 636-56 Shrader. I. C. Scharff to C. E. Morgan and John B. Tyrrell; 2 years 10 months; $4210.

## COMPLETION NOTICES

**San Francisco County**

March 27, 1920—W FORTY-SECOND Ave. 50 S Balboa. Robert F. Austin to whom it may concern.....March 27, 1920
Mar. 30, 1920—SW SIXTH AND Market. Peacock Drug Co to Western Hardwood Mfg Co.....March 30 1920
Mar. 30, 1920—W TWENTY-SEVENTH Ave 285 N Balboa N 50xW 120. Jacob Weissbein to Theodore G and Rollin E Meyer.....Mar. 30, 1920
March 30, 1920—S WALLER 81-3 E Steiner S 65xE 25. August Schmidt to Vukicevich & Baggs. Mar. 24, 1920
Mar. 30, 1920—NO. 17 SURREY. Jacob Koff to Gus Carlson and Olaf Olsen.....Mar. 30, 1920
Mar. 31, 1920—VAN NESS AVE 63-10¼ S Clay S 63-10¼xE157-4½. Julius Levin Co to whom it may concern .....Completed —
Apr. 1, 1920—SW MEDA AVE 370 SE Delano SE 36.97xSW 50 Ptn Lots 5, 6, 11 and 12 Blk 26, West End Map No. 1. Jas A Arnott to whom it may concern.....Mar. 31, 1920
Apr. 1, 1920—W THIRTY-THIRD AV 175 N Ulloa N 50xW 117-6. Parkside Realty Co to John B Rogers and E Cox.....Mar. 31. 1920
April 2, 1920—S MISSION 225 W 8th, 35 front and 80 deep. N. Polidori to Louis J. Cohn .....March 29, 1920
April 2, 1920—W BUCHANAN 87-6 N Golden Gate Ave., 50 front, 110x 137-6 deep, 25 rear. The Chevra Kadisha, Inc., to Louis J. Cohn.....March, 3, 1920
Apr. 2, 1920—66-11 FRONTAGE ON S Vallejo and 135 E from Powell 137-6. N Capurro and A Podesta to S Rasori and J Del Favora.....March 31, 1920
Apr. 3, 1920—NE TWENTY-THIRD Ave and Anza; E 23rd Ave 75 N Anza. Hilding Anderson to Hilding Anderson and Ivar D Sillman.....April 3, 1920
Apr. 3, 1920—SE NAPLES 250 SW Brazil Ave SW 25xSE 100 Ptn Lot 2 Blk 55 Excl. Hd. Ass'n. Vito Melechionne to whom it may concern.....March 31, 1920
Apr. 3, 1920—N ELLIS 122-6 W Larkin. P F Reilly to whom it may concern.....April 3, 1920

### LIENS FILED.

**San Francisco County.**

Mar. 20, 1920—N UNION 137-6 W Steiner W 55xN 137-6. James H Hardy Inc vs J C and Anna Hladik .....$962.09
March 20, 1920—N UNION 137-6 W Steiner W 55xN 137-6. Otto Carson vs. Anna and husband J. C. Hladik .....$2126.90
March 31, 1920—S LINCOLN WAY 40 W 21st Ave S 100xW 55. Sanborn & Corinson vs. Anna Hladik.$20

### BUILDING PERMIT TOTALS FOR MARCH.

The Building Department of the Board of Public Works during the month of March issued 650 building permits totaling $2,759,087. Covering the same period during the year 1919 the records of the department show a total of 399 permits aggregating $908,831.

Following is a complete report of the operations for the past month:

| Class | No of Permits | Amount |
|---|---|---|
| "A" | 2 | $ 7,500 |
| "B" | 6 | 781,200 |
| "C" | 24 | 351,400 |
| Alterations | 489 | 899,746 |
| Frames | 128 | 647,241 |
| Public | 1 | 72,000 |
| Total | 650 | $2,759,087 |

## BUILDING CONTRACTS

### Alameda County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 677 | Mabey .. .. | Davie | 467 |
| 678 | Kusmaul | Bernhardt | 550 |
| 679 | Jamison | Woodard | 5500 |
| 680 | Mooney | Jones | 850 |
| 681 | Watson | Watson | 3900 |
| 682 | Glantz | Owner | 3500 |
| 683 | Wolf | Williams | 15035 |
| 684 | Wight | Owner | 1400 |
| 685 | Foss | Foss | 8000 |
| 686 | McNellis | Lucas | 1100 |
| 687 | Dearborn | Owner | 3000 |
| 688 | Mueller Okd | Refrigerator | 2000 |
| 689 | Lakeshore | Strang | 12000 |
| 690 | Kearns | Jessup | 1450 |
| 691 | MacLafferty | Anderson | 500 |
| 692 | Costa | Almeida | 900 |
| 693 | Meads | Ils | 800 |
| 694 | Prince | Palmer | 61000 |
| 695 | Hoffman | Albers | 2500 |
| 696 | Ostbern | Owner | 30000 |
| 697 | Legris | Owner | 21000 |
| 698 | Same | Same | 3000 |
| 699 | Same | Same | 3000 |
| 700 | Mierlatt | Cal Bldrs | 5200 |
| 701 | MacGregor | Owner | 4000 |
| 702 | Same | Same | 8000 |
| 703 | Same | Same | 8000 |
| 704 | Union Constr Co | Owner | 4000 |
| 705 | C & O Lbr | Owner | 2000 |
| 706 | Chown | Owner | 5000 |
| 707 | Farnham | Pedgrift | 2000 |
| 708 | Nat'l. Ice Cream | Owner | 500 |
| 709 | Lorenzen | Bertelsen | 500 |
| 710 | Canady | Owner | 500 |
| 711 | Leppla | Faria | 6880 |
| 712 | Ala. Repair | Warner | 15000 |
| 713 | Purdy | MacRae | 400 |
| 714 | Shervey | Owner | 950 |
| 715 | Moore | Moore | 4500 |
| 716 | Hillen | Hillen | 3900 |
| 717 | Hillen | Hillen | 3500 |
| 718 | Hillen | Hillen | 3900 |
| 719 | Delta Zeta | Wooley | 800 |
| 720 | Morgan | Porter | 450 |
| 721 | Halloran | Long | 5000 |
| 722 | Marshall | Owner | 10000 |
| 723 | Cal Pack'g. | Christiansen | 20000 |
| 724 | Crystal | Thomsen | 1125 |
| 725 | Jersey | Avelar | 700 |
| 726 | Haste | Haste | 1500 |
| 727 | Ferguson | Owner | 3000 |
| 728 | Riskin | Riskin | 700 |
| 729 | Makinson | Church | 6476 |
| 730 | King | Allen | 1000 |
| 731 | Domoouoske | Mason | 3000 |
| 732 | Cherry | Brown | 3500 |
| 733 | Faehes | Kidder | 2200 |
| 734 | Moore | Owner | 2500 |
| 735 | Richards | Western Rfg. | 405 |
| 736 | Stenbro | Owner | 4000 |
| 737 | S. F. & O Ry. | Owner | 1200 |
| 738 | Wood | Graff | 500 |
| 739 | Fowler | Sharp | 799 |
| 740 | Stubbs | MacGregor | 4050 |

ADDITION
(677) NO. 1617 McGEE, Berkeley. Addition.
Owner—Wm. E. Mabey, Premises.
Architect—None.
Contractor—Davie & Jarman, 1001 Spruce, Berkeley.
COST, $467

ALTERATIONS
(678) NO. 2210 TELEGRAPH AVE., Berkeley. Alterations.
Owner—M. L. Kusmaul, Premises.
Architect—None.
Contractor—G. L. Bernhardt, 3161 Shattuck Ave., Berkeley.
COST, $550

DWELLING
(679) N LAGUNITAS 300 E Euclid, Oakland. One-story 5-room dwlg.
Owner—E. Jamison, Oakland.
Architect—None.
Contractor—E. W. Woodard, 535 Merritt Ave., Oakland.
COST, $5500

(680) MORAGA ROAD, Oakland. One and one-half-story garage.
Owner—Dr. B. T. Mooney, 1128 Broadway, Oakland.
Architect—None.
Contractor—A. E. Jones, 1128 Broadway, Oakland.
COST, $850

GARAGE
(681) CAPERTON near Highland Ave., Oakland. Two-story fireproof garage
Owner—Anna S. Watson.
Architect—None.
Contractor—J. F. Watson.
COST, $3900

GARAGE
(682) PORTSMOUTH ROAD Lot 7, Lakewood Park, Oakland. Two-story fireproof garage.
Owner—A. A. Olantz, 260 28th St., Oakland.
Architect—None.
Day's work. COST, $3500

FRAME APARTMENTS
(683) SE COLLEGE AVE & WOOLSEY S 50xE 120, Berkeley. All work for two-story frame apartments.
Owner—Mrs. Mary Hays Wolf, Batavia, Java.
Architect—Charles F. Masten & Lester W. Hurd, Foxcroft Bldg., San Francisco.
Contractor—Charles C. Williams, Syndicate Bldg., Oakland.
Filed Mar. 29, '20. Dated ——.
Frame completed and accepted.. ¼
Brown coated completed and accepted ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $15,035
Bond, limit, forfeit, none. Plans and specifications filed.
NOTE:—Permit reported March 22, 1920, No. 630.

GARAGE
(684) W COLLEGE AVE 624 N Clifton, Oakland. One-story brick garage.
Owner—Wilder Wight, 2330 Telegraph Ave., Oakland.
Architect—None.
Day's work. COST, $1400

DWELLING
(685) S CALMAR 470 E Paloma, Oakland. Two-story 8-room dwelling.
Owner—Foss & Hetland, 1242 First Ave., Oakland.
Architect—None.
Day's work. COST, $8000

ALTERATIONS
(686) NO. 5806 DOVER, Oakland. Alterations and additions.
Owner—Margaret McNellis.
Architect—None.
Contractor—C. D. Lucas, 541 55th St., Oakland.
COST, $1100

ALTERATIONS
(687) NO. 1204 E-FIFTEENTH ST., Oakland. Alterations and additions (alter two-story dwelling into flats.)
Owner—Mrs. Dearborn, 1208 E-15th St., Oakland.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
(688) NO. 4557-9 E-FOURTEENTH St., Oakland. Alter factory.
Owner—Mueller Bros., 512 Chestnut St., Oakland.
Architect—None.
Contractor—Oakland Refrigerator Co., 2766 Grove St., Oakland.
COST, $2000

DWELLING & GARAGE
(689) N LONGRIDGE 500 E Lakeshore Oakland. Two-story 7-room dwelling and garage.
Owner—Lakeshore Highlands Co., 1460 Broadway, Oakland.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $12,500

GYMNASIUM
(690) NO. 359 PERRY, Oakland. One story gymnasium.
Owner—Jack Kearns, Premises.
Architect—None.
Contractor—F. H. Jessup.
COST, $1450

ALTERATIONS
(691) NO. 524 SIXTEENTH, Oakland. Alterations.
Owner—J. H. MacLafferty, Premises.
Architect—None.
Contractor—John Anderson, 874 34th St., Oakland.
COST, $500

ADDITIONS
(692) NO. 1208 TWENTY-THIRD AVE., Oakland. Addition.
Owner—A. Costa, 1148 23rd Ave., Okd.
Architect—None.
Contractor—E. Almeida, 2004 E-17th St., Oakland.
COST, $900

BRICK RANGE
(693) NO. 421 THIRTEENTH, Oakland. Brick range.
Owner—Meads, Premises.
Architect—None.
Contractor—John G. Ila & Co., 839 Mission St., San Francisco.
COST, $800

WAREHOUSE
(694) NE TWENTY-SEVENTH AVE and E-11th St., Oakland. One-story concrete warehouse.
Owner—H. G. Prince Canning Co., Prem
Architect—M. I. Diggs, 1519 Broadway, Oakland.
Contractor—Palmer & Petersen, 610 Easton Bldg., Oakland.
COST, $61,000

DWELLING
(695) W VALLECITO 84 N E-27th St., Oakland. One-story 5-room dwlg.
Owner—Geo. Hoffman, 817 Alice St., Oakland.
Architect—None.
Contractor—Geo. Albers, 1616 51st Ave., Oakland.
COST, $2500

APARTMENTS
(696) W PARK VIEW TERRACE 100 N Grand Ave., Oakland. Three-story 36-room apartments.
Owner—F. E. Ostbern, 1304 Linden St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Day's work. COST, $30,000

FRAME DWELLINGS
(697) N BROOKDALE 130, 165, 200, 235, 270, 305, 340 E Fruitvale Ave., Oakland. Seven one-story 5-room frame dwellings.
Owner—L. H. Legris, 2605 Fruitvale Ave., Oakland.
Architect—None.
Day's work. COST, $3000 each

DWELLING
(698) NE BROOKDALE AND FRUITvale Aves., Oakland. One-story five-room dwelling.
Owner—L. H. Legris, 2605 Fruitvale Ave., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLING
(699) E FRUITVALE AVE 100 N Brookdale Ave., Oakland. One-story 5-room frame dwelling.
Owner—L. H. Legris, 2605 Fruitvale Ave., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLING
(700) S MOSS AVE 70 E Kempton Ave., Oakland. One-story 6-room dwelling.
Owner—A. A. Marlatt, 1534 Franklin St., Oakland.
Architect—None.
Contractor—California Builders, 1534 Franklin St., Oakland.
COST, $5200

DWELLING
(701) W EVERETT AVE 600 S Hampel, Oakland. One-story 6-room dwelling.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work. COST, $4000

DWELLINGS
(702) W ELSTON AVE 240 and 280 S Hampel, Oakland. Two one-story 6-room frame dwellings.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work. COST, $4000 each

DWELLINGS
(703) E GREENWOOD AVE 100 and 140 S Brighton Ave., Oakland. Two one-story 6-room frame dwellings.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work. COST, $4000 each

STORE HOUSE
(704) FOOT FOURTEENTH ST., Oakland. Two-story store house.
Owner—Union Construction Co.
Architect—None.
Day's work. COST, $4000

PLANING MILL
(705) FOOT KIRKHAM ST., Oakland. One-story planing mill.
Owner—C. & O. Lumber Co., No. 2 Pier, San Francisco.
Architect—None.
Day's work. COST, $2000

DWELLING
(706) MORAGA ROAD AND SKY LINE Blvd., Oakland. One-story 6-room dwelling.
Owner—S. V. Chown, 5848 Chabot Road Oakland.
Architect—None.
Day's work. COST, $5000

REPAIRS
(707) NO. 758 KINGSTON AVE., Oakland. Fire repairs.
Owner—E. C. Farnham.
Architect—None.
Contractor—Jas. H. Pedgrift, 565 16th St., Oakland. COST, $2000

SHED
(708) N THIRD 100 W Cypress, Oakland. Shed.
Owner—National Ice Cream Co., Prem.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(709) NO. 414 THIRTEENTH ST., Oakland. Alterations.
Owner—H. Lorenzen, 1546 Broadway, Oakland.
Architect—None.
Contractor—S. J. Bertelsen, 667 39th St., Oakland. COST, $500

DWELLING
(710) E TYLER 225 S Walter, Oakland. One-story 2-room dwelling.
Owner—Smith, Canady, 705 Louisa St., Oakland.
Architect—None.
Day's work. COST, $500

DWELLING AND GARAGE
(711) LOTS 37 AND 35, Map Cherry Acres, San Leandro. One-story dwelling and garage.
Owner—John Leppla, San Leandro.
Architect—Sidney B. and Noble Newsom, Nevada Bank Bldg., San Francisco.
Contractor—A. S. Faria, San Leandro.
Filed March 31, '20. Dated Mar. 29, '20.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $6880
Bond, Suretles, none. Forfeit, $5. Limit, none. Plans and specifications filed.

STORE AND APARTMENTS
(712) E PARK ST. 50 S Webb Ave. S 50, E 129-1, N 100, W 40, S 50, W to pt. beginning, Ala. Two-story store and apartments, Class "C," except interior partitions, electric work, lath and plastering, wood and cabinet finishing, painting finish, plumbing fixtures, hardwood floors, wall beds, light fixtures, finish hardware and shades on 2nd floor.
Owner—C. Siem, E Ruthberg and G. R. Marcus (Alameda Repair and Supply Co.), Alameda.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—S. A. Warner, 4606 Brookdale Ave., Oakland.
Filed Mar. 31, '20. Dated Mar. 29, '20.
2nd floor joist on .....$3375
Roof on ..... 3375
Completed and accepted ..... 3375
Usual 35 days .....Bal.
TOTAL COST, $15,000
Bond, $7500. Sureties, F. L. Parker and C. I. Gilbert. Forfeit, $5. Limit, 60 days. Plans and specifications filed.

GARAGE
(713) NO. 1333 BAY ST., Alameda. Garage.
Owner—E. S. Purdy, 3027 Harper St., Berkeley.
Architect—None.
Contractor—Chas. W. MacRae, 1091 Park Ave., Alameda. COST, $400

REPAIRS
(714) NO. 2252 CENTRAL AVE., Alameda. Repairs.
Owner—Geo. C. Shervey, Premises.
Architect—None.
Day's work. COST, $950

ADDITION
(715) FOOT ADELINE ST., Oakland. One-story addition to office building.
Owner—Moore Shipbuilding Co., Prem.
Architect—None.
Day's work. COST, $4500

FRAME DWELLING
(716) W BELVEDERE 642 N Ygnacio, Oakland. One-story 6-room frame dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland
Architect—None.
Day's work. COST, $3900

DWELLING
(717) E BELVEDERE 269 S Trask, Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3500

DWELLING
(718) E COLE 202 N Ygnacio, Oakland. One-story 6-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3900

ADDITION
(719) NO. 1837 ARCH ST., Berkeley. Addition.
Owner—Delta Zeta Sorority, Premises.
Architect—None.
Contractor—B. F. Wooley, 706 San Pablo Ave., Albany. COST, $800

ALTERATIONS
(720) NO. 1639 LA LOMA AVE., Berkeley. Alterations.
Owner—Wm. S. Morgan, Premises.
Architect—None.
Contractor—H. H. Porter, Buena Vista St., Berkeley. COST, $450

DWELLING
(721) N MARIN AVE 500 W The Circle, Berkeley. One-story 6-room dwelling.
Owner—Ralph Halloran.
Architect—None.
Contractor—Roy O. Long Co., 2146 Shattuck Ave., Berkeley. COST, $5000

DWELLING
(722) NO. 18 TANGLEWOOD ROAD, Berkeley. Two and one-half-story 10-room dwelling.
Owner—J. A. Marshall, Premises.
Architect—None.
Day's work. COST, $10,000

WAREHOUSE
(723) BEACH AND HALLECK, Oakland. One-story brick warehouse.
Owner—California Packing Corp., 101 California St., San Francisco.
Architect—None.
Contractor—C. Christiansen & Son, 351 12th St., Oakland. COST, $20,000

ALTERATIONS
(724) NO. 2307 CHESTNUT, Oakland. Alterations.
Owner—Crystal Laundry Co.
Architect—None.
Contractor—John Thomsen, 5831 Occidental St., Oakland. COST, $1125

ALTERATIONS
(725) NO. 1200 FORTY-SEVENTH AV. Oakland. Alterations.
Owner—Jersey Milk, Cream & Butter Co., 695 37th, Oakland.
Architect—None.
Contractor—M. Avelar, 1320 53rd Ave., Oakland. COST, $700

DWELLING
(726) E HARRINGTON AVE 800 N Santa Rita, Oakland. One-story 3-room dwelling.
Owner—Ernest Haste, 456 36th, Oakland.
Architect—None.
Day's work. COST, $1500

DWELLING
(727) N THOMPSON 150 W Forty-seventh Ave., Oakland. One-story 5-room dwelling.
Owner—A. S. Ferguson, 3268 Prentiss St., Oakland.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
(728) NO. 675 WESLEY AVE., Oakland. Alterations.
Owner—Charles Riskin, Premises.
Architect—None.
Day's work. COST, $700

ALTERATIONS
(729) COR. RIDGEWAY AVE AND Mongomery St., being No. 201 Ridgeway Ave., Oakland. All work for alterations to two-story frame apartments.
Owner—H. A. Makinson, 1706 Broadway, Oakland.
Architect—None.
Contractor—Albert Church, 859 58th St., Oakland.
Filed Apr. 2, '20. Dated Apr. 2, '20.
Owner pays all bills on order of contractor .....
TOTAL COST, $6476.80
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

REPAIRS
(730) NO. 917 ARLINGTON ROAD, Berkeley. Fire repairs.
Owner—W. B. King, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. COST, $1000

DWELLING
(731) W ALAMEDA 294 N Sonoma Ave., Berkeley. One-story, six-room dwelling.
Owner—A. B. Domoouoske.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley. COST, $3000

DWELLING
(732) E SHATTUCK AVE. opp. Amador. One-story eight-room dwelling.
Owner—J. S. Cherry, 1308 Oxford St., Berkeley.
Architect—None.
Contractor—E. A. Brown, 1604 Shattuck Ave., Berkeley. COST, $3500

STORE
(733) 2231 Telegraph Ave., Berkeley. One-story brick store.
Owner—Mrs. R. Faehes, 2526 Bancroft, Berkeley.
Architect—None.
Contractor—H. C. Kidder, 2075 Addison, Berkeley. COST, $2200

SHED
(734) FOOT ADELINE ST., Oakland. One-story shed.
Owner—Moore Shipbuilding Co., Prem.
Architect—None.
Day's work. COST, $2500

REPAIRS
(735) NW ELEVENTH & FRANKLIN Sts., Oakland. Roof repairs.
Owner—Mrs. Richards, 420 15th St., Oakland.
Architect—None.
Contractor—Western Roofing Co., 420 15th St., Oakland. COST, $450

DWELLING
(736) NE E-THIRTY-SEVENTH AND Woodruff, Oakland. One-story, five-room dwelling.
Owner—A. Stenbro, 2122 Vicksburg, Oakland.
Architect—None.
Day's work. COST, $4000

ALTERATION
(737) FIFTY-FIRST & TELEGRAPH, Oakland. Alteration.
Owner—S. F. & O. T. Ry., 22nd and Grove Sts., Oakland.
Architect—None.
Day's work. COST, $1200

GARAGE
(738) E PERKINS opp. Palm Ave., Oakland. Garage.
Owner—W. C. Wood.
Architect—None.
Contractor—Edwin C. Graff, 1926 Broadway, Oakland. COST, $500

REPAIRS
(739) NO. 1028 THIRTIETH ST., Oakland. Repairs.
Owner—Chester Fowler, 1801 Webster St., Oakland.
Architect—None.
Contractor—A. C. Sharp, 3260 Kansas St., Oakland.
COST, $799

DWELLING
(740) LOT 28 Nova Piedmont, Piedmont. All work for one-story five-room dwelling and garage.
Owner—Ethel G. Stubbs, Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
Filed Apr. 2, '20. Dated Mar. 31, '20.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $4050
Bond, $2025. Sureties, J. F. Smith and G. A. Scott. Limit, 90 days. Forfeit, none. Plans and specifications filed.

**OAKLAND BUILDING SUMMARY FOR THE MONTH OF MARCH, 1920.**

| Classification of Buildings | No. of Permits | Costs. |
|---|---|---|
| 1-story dwellings..... | 78 | $232,775 |
| 1½-story dwellings... | 2 | 8,000 |
| 2-story dwellings..... | 5 | 44,000 |
| 2-story apartments.... | 3 | 49,594 |
| 3-story apartments.... | 1 | 30,000 |
| 1-story stores..... | 2 | 2,500 |
| 1-story offices..... | 2 | 700 |
| 1-story shops..... | 3 | 1,234 |
| 1-story planing mill.. | 1 | 2,000 |
| 1-story foundry..... | 1 | 3,000 |
| 1-story gymnasium.... | 1 | 1,450 |
| 2-story store house.... | 1 | 4,000 |
| 1-story distillery..... | 1 | 350 |
| Greenhouse ..... | 1 | 200 |
| 1-st concrete warehouse | 1 | 61,000 |
| 1-st concrete boiler hse | 1 | 9,000 |
| 1-st concrete garages. | 3 | 1,150 |
| 1-st brick warehouse.. | 1 | 20,000 |
| 1-story brick garages. | 5 | 16,485 |
| 1-s brick garages & stores ..... | 1 | 22,800 |
| 1-story brick stores... | 2 | 27,800 |
| 1-st brick dyeing & cleaning works.... | 1 | 2,000 |
| Brick additions..... | 2 | 12,000 |
| 1-story tile dwelling.. | 1 | 5,000 |
| 1-story tile garage.... | 1 | 350 |
| 1-st steel service stn.. | 3 | 3,500 |
| Electric signs..... | 11 | 2,278 |
| Garages & sheds..... | 110 | 22,935 |
| Tank frame..... | 1 | 300 |
| Additions ..... | 55 | 41,355 |
| Alterations & repairs.. | 100 | 59,417 |
| Totals .. ..... | 401 | $687,173 |

**SUMMARY.**

| | | |
|---|---|---|
| New construction..... | 301 | $627,756 |
| Alterations & repairs.. | 100 | 59,417 |
| Totals ..... | 401 | $687,173 |

## COMPLETION NOTICES

### Alameda County

March 25, 1920—N ARLINGTON AVE. 100 E Gaskill St., Oakland. Carrie Trahan to M. C. Vaughn. Mar. 12, 1920
March 25, 1920—LOT 56, MAP SAN Antonio Court, San Leandro. Allen E. Felton to A. Cordeiro and E. Andersen .....March 23, 1920
March 29, 1920—LOT 12, BLK. 2, Berkeley Heights, Berkeley. H. A. Kellogg to R. H. Cooley Mfg. Co..
Mar. 31, 1920——LOT 6 Map Peralta Terrace, Okd. Albert E Gracie to whom it may concern...Mar. 29, 1920
Mar. 31, 1920—LOT 17 BLK 19, San Pablo Park Tract, Bkly. Maggie K Hunter to Chas A Werner.....
.....March 29, 1920
April 1, 1920—NW E-FOURTEENTH and 96th Ave., Oakland. Bank of San Leandro to A. Knowles.....
.....March 24, 1920
April 1, 1920—LOTS 13 AND 22, BLK. F, Lakewood Park, Piedmont. Paul E. Woodburn to whom it may concern .....March 31, 1920
April 1, 1920—W 25 LOT 20 AND E 40 lot 21, Map Craig Property, Piedmont. Julie P. Haste to Marshall E. Hopper .....March 30, 1920
April 1, 1920—S OREGON ST. bet. Grant and McGee Sts., Berkeley. Board of Education of the City of Berkeley and Berkeley School District of Alameda County to Geo. Dixon .....March 30, 1920
April 1, 1920—E CLAREMONT AVE. bet. Webster and Russell, Berkeley. Board of Education of the City of Berkeley and Berkeley School District of Alameda County to Jepsen Bros.; Rigney Tile Co. .....March 30, 1920
Apr. 2, 1920—LOT 35 Map San Antonio Court, San Leandro. Allen E Felton to A Cordeiro and E Anderson.....April 1, 1920
Apr. 2, 1920—NO. 1275 CAROLINA, Alameda. E A Kahl to whom it may concern.....Mar. 27, 1920
Apr. 3, 1920—SW VAN BUREN AVE 96 SE Lenox Ave SE 60xSW 60, Okd. Mary E Astrue to Holger Nielsen and William Nelson.....
.....March 27, 1920
Apr. 3, 1920—E CLAREMONT AVE bet. Webster and Russell, Bkly. Board of Education of the City of Berkeley and Berkeley School District of Alameda County, State of California to William Makin....
.....March 30, 1920
Apr. 3, 1920—LOT 8 BLK "H" Excelsior Heights, Okd. H Clay Morris to California Builders Co
.....April 2, 1920
Apr. 3, 1920—LOT 9 BLK 2, Claremont, Berkeley. George E Sibbett to S J Bertelsen.....April 2, 1920

**BUILDING CONTRACTS.**

**Santa Clara County.**

STANFORD UNIVERSITY, Cal. Glass and glazing for two and one-half-story Class "B" residence.
Owner—Mrs. Lou Henry Hoover, Stanford University, Palo Alto.
Architect—A. B. Clark, Palo Alto.
Contractor—Cobbledick-Kibbe Glass Co., 3rd and Washington Sts., Oakland.
Filed Mar. 8, '20. Dated Mar. 5, '20.
On 1st of each month..... 75%
Usual 35 days, providing no liens are filed ..... 25%
TOTAL COST, $1845
Bond, $922. Surety, Globe Indemnity Co. Limit, 18 working days from Mar 11, 1920. Forfeit, none. Plans and specifications filed.

MILL AND CABINET WORK ON above.
Contractor—Oakland Planing Mills, Oakland.
Filed Mar. 4, '20. Dated Mar. 2, '20.
Payments same as above.....
TOTAL COST, $21,057
Bond, $11,000. Surety, The Fidelity & Casualty Co. of New York. Limit, 60 working days from March 1, 1920. Forfeit, none. Plans and specifications filed.

BUNGALOW
ON THE ALAMEDA near Race St., San Jose. All work for one and one-half-story frame and stucco bungalow.
Owner—Geo. E. Graham, 28 Lenzen Ave., San Jose.
Architect—H. W. Higbie, San Jose.
Contractor—Morrison Bros., Santa Clara.
Filed Mar. 16, '20. Dated Mar. 13, '20.
Foundation in, frame up and rafters on .....$3500
2nd coat plaster on..... 3500
Completed and accepted..... 3500
Usual 35 days..... 3800
TOTAL COST, $14,300
Bond, $7150. Sureties, Christy A. Morrison and James H. Pierce. Limit, 100 working days from date of filing. Forfeit, none. Plans and specifications filed.

ADDITION
NO. 436 GREGORY, San Jose. Addition.
Owner—Tony Aparotte, San Jose.
Architect—None.
Day's work. COST, $400

ALTERATIONS
NO. 255 S FIRST, San Jose. Further alterations.
Owner—Theo Lenzen, 210 S 2nd St., San Jose.
Architect—Theo. Lenzen, 210 S 2nd St., San Jose.
Contractor—J. C. Thorpe, Auzerais Bldg., San Jose.
COST, $626

BUSINESS BLOCK.
N MARKET near St. James, San Jose. Concrete business block.
Owner—Delmas Paper Co., 38-40 Post St., San Jose.
Architect—Theo. Lenzen, 210 S 2nd St., San Jose.
Contractor—O. A. Nomanson, San Jose.
COST, $19,500

ADDITION, ETC.
NO. 126 S FIRST, San Jose. Addition and alteration.
Owner—Thomas Novelty Store, San Jose.
Architect—Theo. Lenzen, 210 S 2nd St., San Jose.
Contractor—Guy Latta, San Jose.
COST, $4000

COTTAGE
N SIXTEENTH near Jackson, San Jose. Cottage.
Owner—Roy Latta, 445 N 14th St., San Jose.
Architect—None.
Day's work. COST, $3000

COTTAGE
N THIRTY-THIRD ST. near McKee, San Jose. Cottage.
Owner—E. E. Weldon, 7 Hull St., San Jose.
Architect—None.
Day's work. COST, $1900

ADDITIONS
NO. 36 S THIRTEENTH ST., San Jose. Additions.
Owner—Mrs. Lucy Curtner, San Jose.
Architect—None.
Contractor—A. C. Humphrey, San Jose.
COST, $2000

COTTAGES
SAN JOSE, Cal. Two one-story cottages.
Owner—Cutting Packing Corporation of San Francisco, 48 California St., San Francisco.
Designer—C. C. Lewis, San Jose.
Contractor—C. C. Lewis, San Jose.
Filed March 22, 1920.
When frame is erected .....$1156.25
When plastered ..... 1156.25
When finished ..... 1156.25
Usual 35 days ..... 1156.25
Payments same as above on each house
TOTAL COST, $4625 each
Bond $4625. Sureties, The Fidelity and Casualty Company of New York. Forfeit, none. Limit, 90 working days from March 10, 1920. Plans and specifications filed.

**BUILDING CONTRACTS.**

**Fresno County.**

DWELLING AND GARAGE
LOT C, BLK. 20, ALTA VISTA, Fresno. Dwelling and garage.
Owner—A. B. Kirk, 815 Roosevelt, Fresno.
Architect—None.
Contractor—C. V. Smith, Fresno.
COST, $8500

DWELLING AND GARAGE
LOTS 25, 26, BLK. 68, K. B. HEIGHTS, Fresno. Dwelling and garage.
Owner—Mary Baker, Fresno.
Architect—None.
Contractor—L. M. Smith, Fresno.
COST, $3000

DWELLING AND GARAGE
LOTS 7, 8, BLK. 2, OSBURN TCT., Fresno. Dwelling and garage.
Owner—Roy Martin, Olive and Nursery, Fresno.
Architect—None.
Day's work. COST, $4500

ADDITION
LOTS 14, 15, 16, BLK. 65, Fresno. Addition.
Owner—Stephens & Bean, I and Tuolumne, Fresno.
Architect—None.
Contractor—W. H. Minard, 319 Abby St., Fresno.
COST, $2600

STORE BUILDING.
S 66 FT. OF BLK. 335, Fresno. Store building.
Owner—J. B. Hill Co., 1829 El Dorado St., Fresno.
Architect—None.
Contractor—A. Allen, 259 Blackstone St., Fresno.
COST, $13,000

STORE BUILDING
N 77 FT OF BLK. 335, Fresno. Store building.
Owner—J. B. Hill Co., 1829 El Dorado St., Fresno.
Architect—None.
Contractor—A. Allen 259 Blackstone St., Fresno.
COST, $18,000

ALTERATIONS
NO. 1036 DEVISADERO, Fresno. Alterations.
Owner—Anna Therkof, 832 Devisadero, Fresno.
Architect—None.
Contractor—W. G. Cosler, 1376 Echo, Fresno.
COST, $1,000

ROOMING HOUSE
E SIDE OF F ST. 75 S TULARE, Fresno. Two-story brick and concrete rooming house.
Owner—Fon Kee, Fresno.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—Larsen - Sampson Co., Crocker Bldg., San Francisco.
Filed April 1, '20. Dated March 26, '20.
Second floor up ..... ¼
Roof on ..... ¼
Completed ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $——
Bond, $36,219. Sureties New Amsterdm Casualty Co. Forfeit, $20. Limit, 90 days. Plans and specifications filed.

## COMPLETION NOTICES.

### Fresno County.

Mar. 30, 1920—SEC. 5, 20-15, Fresno. (Oil Well No. 2.) Southern Pacific Company to whom it may concern .....March 27, 1920
Mar. 21, 1920—PART OF MERCED St., Fowler, Director General of Railroads to whom it may concern .....March 31, 1920
Mar. 30, 1920—LOT 6, N 7½ Lot 7 Blk 8, Fishers Villa Add'n., Fresno. L N Paterson to whom it may concern .....Mar. 29, 1920
Mar. 30, 1920—LOTS 19 AND 20 BLK 2, St. Frances Wood, Fresno. J J Reese to whom it may concern....—Recorded Accepted
Mar. 26, 1920—LOTS 29 AND 30 BLK 54, E-Fresno. Annie E Bowen to whom it may concern...Mar. 26, 1920
March 31, 1920—Lots 27 TO 30, W 103 ft. of lot 31, Blk. 2, Claremont Park, Fresno. 4 dwellings.) R. C. Kennedy to whom it may concern. .....March 31, 1920

## LIENS FILED.

### Fresno County.

Recorded Amount
Mar. 26, 1920—LOT 42 S 18½ feet Lot 43 Blk 2, Hazelton Add'n, Fresno. A W Anderson vs Rose Romeo..$167

## BUILDING CONTRACTS.

### Sacramento County.

GARAGE
NO. 2210 L ST., W ¼ Lot 2, L. M. 22nd and 23rd Sts., Sacramento. Garage.
Owner—F. A. Lafferty, 1510 J St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento.
COST, $1200

FRAME BUILDING
LOT 1644 W. & K. TRACT 24, Sacramento. Two-story frame building.
Owner—Dr. Fred N. Scatina, 601½ K St., Sacramento.
Architect—None.
Contractor—Jas. A. McCullough, 1015 23rd St., Sacramento.
Filed Mar. 24, '20. Dated Mar. 23, '20.
COST, $9500

RESIDENCE
NO. 2465 FORTY-FIRST ST., Lot 1264 W. & K. Tract 27, Sacramento. One story 5-room frame residence.
Owner—W. B. Phillips, 4139 4th Ave., Sacramento.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
NO. 923 K ST., Sacramento. Alterations and remodeling.
Owner—Edward Wahl, 823 28th St., Sacramento.
Architect—None.
Contractor—Wm. Murcell, 527 Ochsner Bldg., Sacramento.
Filed Mar. 22, '20. Dated Mar. 18, '20.
COST, $11,996

ALTERATIONS
NOS. 1013-15 SEVENTH ST., Sacramento. Remodel store fronts.
Owner—Mrs. B. Cavanaugh, 814 9th St., Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento.
COST, $1200

ALTERATIONS
NO. 1608 I ST, W ½ Lot 2, I, J, 16th and 17th Sts., Sacramento. Remodel lower floor and erect private garage of 4 stalls.
Owner—H. S. Damerell, 1610 I St., Sacramento.
Architect—None.
Day's work. COST, $1000

FRAME FLATS
NO. 2317 TWELFTH ST., Sacramento. Two-story frame building (4 flats with garages.)
Owner—M. J. Machardo, 1219 X St., Sacramento.
Architect—None.
Contractor—C. Valine, Natomas Blvd., Sacramento.
COST, $11,000

FRAME FLATS
NO. 1201 X ST., Sacramento. Two-story frame (4) flats and a 4-stall garage.
Owner—M. J. Machado, 1219 X St., Sacramento.
Architect—None.
Contractor—C. Valine, Natomas Blvd., Sacramento.
COST, $11,000

ADDITION
NO. 1807 TWENTIETH ST., Sacramento. Addition to packing plant.
Owner—Triolo Packing Co., 901 Fruit Bldg., Sacramento.
Architect—None.
Day's work. COST, $2000

DDWELLING
DWELLING
Two-story frame dwelling.
Owner—Carl S. Madsen, 1020 N St., Sacramento.
Architect—None.
Contractor—Jas. T. Ransdall, Jr., 1627 20th St., Sacramento.
Filed March 26, '20. Dated March 1, '10.
COST, $6,108.36

NO. 826 J ST., LOT 3, J-K-8-9, Sacramento. Remodel interior of hall.
Owner—B. P. O. E., 826 J St., Sacramento.
Architect—None.
Contractor—R. M. Smith, 2633 30th St., Sacramento.
COST, $7500

NO. 1620 W ST., E ½ LOT 3, W-X-16-17, Sacramento. General repairs.
Owner—Frank Tosi, 2118 6th St., Sacramento.
Architect—None.
Contractor—P. Leoni, 1415 P St., Sacramento.
COST, $1500

### Sacramento County.

April 1, 1920—S 75 FT. OF N 200 FT., lot 9, Tuller Tract, Sacramento. Dr. C. B. McKee to C. B. Guth..... .....March 20, 1920

## BUILDING CONTRACTS.

### San Joaquin County.

RESIDENCE
S-SIERRA NEVADA ST., bet. Sonora and Lafayette Sts., Stockton. Residence.
Owner—Paul Zignego, Mariposa Road, Stockton.
Architect—None.
Day's work. COST, $3000

RESIDENCE
W-FLORA ST., bet. Stockton and Yosemite Sts., Stockton. Residence.
Owner—E. Malloy, Stockton.
Architect—None.
Day's work. COST, $3500

GARAGE
E CHANNEL ST., bet. San Joaquin and Sutter Sts., Stockton. Garage.
Owner—Joe E. Root, Stockton.
Architect—None.
Day's work. COST, $16,000

ALTERATIONS
E FLORA ST. bet. Sutter and California Sts., Stockton. Remodel.
Owner—O. B. Groves, 412 E-Flora St., Stockton.
Architect—None.
Day's work. COST, $7500

BUILDING
YOSEMITE AND POPLAR STS., Stockton. Building.
Owner—C. A. Eldridge, Poplar and Center Sts., Stockton.
Architect—None.
Day's work. COST, $1250

HOTEL
LAFAYETTE AND CENTER STS., Stockton. Four-story brick hotel.
Owner—W. S. Hickman, 425 E-Rose St., Stockton.
Architect—None.
Contractor—Morrison & Vickroy, 127 E-South St., Stockton.
COST, $64,873

STORES AND APARTMENTS
MINER AVE. AND HUNTER, Stockton. Stores and apartments.
Owner—J. M. Marengo, 2312 N California, Stockton.
Architect—None.
Day's work. COST, $35,000

RESIDENCE AND GARAGE
ROOSEVELT AND UNION, Stockton. Residence and garage.
Owner, T. E. Williamson, 1055 N Pilgrim, Stockton.
Architect—None.
Day's work. COST, $3200

RESIDENCE
ROOSEVELT AND OPHIR, Stockton, Residence.
Owner—W. Rundell, Stockton.
Architect—None.
Day's work. COST, $4000

REMODEL
N. BAKER bet. North and Willow, Stockton. Remodel.
Owner—E. A. Moran, 348 W. Willow, Stockton.
Architect—None.
Day's work. COST, $1000

## COMPLETION NOTICES.

### Sacramento County.

March 29, 1920—SACRAMENTO, Cal.—Painting smokestacks. S. P. Co. to H. E. Martin.....March 29, 1920

## LIENS FILED.

### Sacramento County.

Recorded Amount
Mar. 24, 1920—E ½ LOT 3, C. D. 17th and 18th Sts., Sacramento. C L Guth vs C T Blake.....$1347.06

## NOTICE OF NON-RESPONSIBILITY.

### Sacramento County.

March 29, 1920—E ¼, LOT 6, J-K-9-10, Sacramento.. General Cigar Co., Inc., lessee of building, as to improvements being done on said building.

**News from National Headquarters.**

(Continued from Page 2)

ed with authority to employ, discipline, or dismiss subordinates," are subordinate officials.

The Commission has classified professional engineers as "engineers of mechanics." This class includes civil engineers, draftsmen and "other engineers of mechanics." The American Association of Engineers is designated as the official representative of engineers of mechanics and has in common with six other groups of employees (claim agents, foremen of mechanics, supervisors of signals, yardmasters, train dispatchers and storekeepers) has been made the basis of a fourth group of employees to make nominations for members of the Labor Board.

The credited representatives of these eight organiaztions and those of a few additional labor organizations not affiliated with the American Federation of Labor, which have been placed in a fourth class are to make nominations for appointment to the Labor Board. Such nominations must be transmitted direct to the President not later than March 29. It has not yet been decided whether or not the American Association of Engineers will make a separate nomination, or whether it will agree with one or more of the other organizations of subordinate officials on a joint nomination.

The decision of the Commission to establish this fourth group is of great importance, inasmuch as it recognizes the fact that there are certain classes of railroad workers whose degree of responsibility to the management is such that these classes must be considered as subordinate officials even though individuals therein actually occupy no official position.

In announcing the establishment of the fourth class in regulations published on March 23, the Commission states that the classes of employees designated as subordinate officials include all those whose claims to recognition as subordinate officials were presented at the hearing on March 15 and 16, except for two groups of employees whose claims to inclusion in the subordinate officials class were denied. Presumably had the American Association of Engineers not been present at the hearing, professional engineers in railroad service would not have been included in the Commission's ruling.

## AMUSEMENT CENTER FOR VALLEJO

VALLEJO, Solano Co., Cal.—A San Francisco capitalist has purchased the dormitories and hotel from the U. S. Housing Corporation situated at Vallejo and will at once commence preparations to have that section converted into an amusement park similar to that of Neptune Beach in Alameda.

The erection of a dancing pavilion, 200x400 feet, concrete swimming pool, bath houses, etc., and the construction of a concrete retaining wall along the beach are included in the many improvements planned.

The name of the purchaser will be made public within the next few weeks.

## THE BOOM IN HOMES.

**Times Have Changed and It is Cheaper to Build Than to Rent.**

There is not in America sufficient housing to accommodate its population. Before the war we were normally overbuilt, landlords were crazy to get tenants at their own rentals and consequently rentals were less than interest and depreciation on the cost of similar houses. Whoever looks back even two years in this city will remember the "To Let" signs in half the windows in a block in almost any part of the city. One sees very few of them now.

This condition results from the almost complete cessation in home building during the five years of war. Thousands of workers were drawn away by the high wages prevailing in Eastern industrial centers. Now they are returning, the drift from country to city continues and there are no places for them.

Under those conditions rentals could not but advance, but that advance has been tremendously accelerated by the greatly increased cost of repairs, and, in apartment houses, of service. Landlords will charge whatever they can get and old houses will be rented for cost of replacement. And all the agitation which tenants can make will not change it. It may check new building, which will make rents still higher.

Those are the conditions which have produced the home and apartment house boom. Domestic service is hard to get, its cost is prodigious and the service usually not satisfactory or permanent.

As a consequence thousands of families who employed one or two house servants are now doing their own house work with or without some extra regular or casual day help.

Those without children crowd the apartment houses. The larger families hunt for homes. All want them at once, and labor and materials cannot be got to build them as fast as needed. Building costs much more than formerly, but for families willing to wait on themselves the saving in rental and servant hire will pay for a home even faster than when homes cost less.

People are lucky who live on this Coast. Great as is the increase of cost, it does not approach the increased cost at the East, where materials must be transported long distances, and the transportation cannot be had.

We have an abundance of the best of building lumber and although there is scarcity of cars and coast-wise ships, our transportation problem is easy compared with that which exists in all the East.

The safe thing economically, and the desirable thing socially, is to get a home and get it now. Pay installments instead of rent. It is an awful thing to bring up a family in an apartment house, even if one can get into one, which is difficult, because nobody loves other people's children. They dislike to hear the howls if they are spanked and dislike much worse their performances if they are not spanked.

Get a home and get it now. They will not be cheaper for a long time, if ever.—S. F. Chronicle.

## EEL RIVER WATER PLAN IS FAVORED

RICHMOND, Calif.,—That the decision of the Eastbay Water commission now investigating the best source of a large water supply for the Eastbay cities, will favor the Snow Mountain Water and Power company project in Eel River valley in Lake and Mendocino counties, is the report that is generally accepted in local official circles. City Engineer Chapman says that he is waiting for the report of Engineer P. E. Harroun of the commission.

Despite this statement and the fact that no decision is expected before the commission goes fully into the Harroun report, it is understood that the Eel River water can be brought to the Eastbay cities for $70,000,000 and that the supply is as large if not greater than Hetch-Hetchy. This cost of $70,000,000 does not include distributing systems.

## BUILDERS IN NEW MASONIC LODGE.

Mt. Davidson Blue Lodge of Masons will be instituted tonight in the lodge's temporary meeting place, the Ingleside Terrace Club House. This Masonic lodge will be a community lodge and all of its members are residents of St. Francis Wood, Westwood Park, Ingleside Terrace, Forrest Hill, West Portal and Parkside. Clarence F. Pratt, "Mayor of Westwood Park," and the originator of the "Shriners' Red Cross Sack of Flour," which sold for $135,000, conceived the idea of the new lodge. Charles Albert Adams, Grand Master of California, John Wicher, Grand Secretary, and several other grand officers will institute the new lodge at 7:30 this evening. The lodge was named for Mt. Davisdon (the highest point in San Francisco) at the base of which live all the members of the lodge.

Many members of the building fraternity are also members of Mt. Davidson Lodge. Henry J. Brunnier, prominent structural engineer, is to be the first Master and Clarence Sand Pratt will be Treasurer. Ben Blair of Haines, Jones & Cadbury Co., (wholesale plumbing), is Marshall.

Other building people in the lodge are: L. D. Macdonald (lumberman); C. Shaw (Supt. of Construction, Western Meat Co.); H. M. Furman (wholesale lumber); A. G. Allen (hardware); Fernando Nelson and his two sons, George and William, all well known builders of homes.

The west of the Twin Peaks district is growing very fast and at this writing over one hundred homes are now in course of construction.

Fernando Nelson & Sons will build a beautiful Masonic Temple at the West Portal of the tunnel for the new lodge and Mr. Nelson hopes to have the building finished before January 1st, next.

## TO BOND FOR SCHOOL ADDITIONS.

WILLOWS, Glenn Co., Cal.—An election will be held shortly in the Jacinto School District to vote the question of issuing bonds of $18,000 with which to finance the construction of additional class rooms and a community hall to the present school building.

# Building & Engineering News

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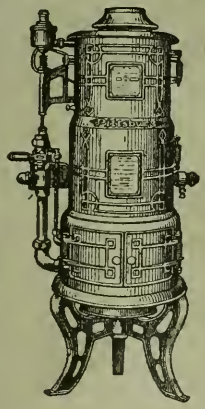

## A BIG THING

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Just the size to fit the average two-story home or nice Bungalow.

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Ethics and Compensation .....E. E. CARPENTER
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Relations with Other Organizations .....R. M. BEANFIELD

**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

**Chapter Office** **700 Marston Building** **244 Kearny St., San Francisco**

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1321 Thirty-third St.,
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# EDITORIAL

## BILLION DOLLARS TO BE SPENT THROUGHOUT UNITED STATES FOR GOOD ROAD BUILDING OPERATIONS.

There is now available for use by the government more than $1,000,000,000 for road building. The signing by the President of a bill directing the Secretary of War to transfer certain surplus army equipment to the United States Department of Agriculture, as well as allotting certain material to other branches of the government makes available for distribution to the states millions of dollars' worth of machinery for use in highway construction. The states are now anxious to secure their allotment of these army supplies because of the great assistance they will be in expediting their road building. This material is in addition to approximately 22,000 army motor vehicles which already have been allotted to the states through the Federal Department of Agriculture in accord with previous legislation.

As yet no definite estimate can be made as to the number of machines of different kinds which the Secretary of War will designate to be "surplus and not required for military purposes," as provided in the act. Among the scores of items listed in the law are: Road rollers, sprinkling wagons, concrete mixers, derricks, complete pile-drivers outfits, clam-shell buckets, caterpillar and drag-line excavators, plolws, cranes, dump wagons, etc., etc.

## MADERA COUNTY BOARD REJECTS CLAIM OF FRESNO ARCHITECT.

MADERA, Cal.—The Board of Supervisors has voted to reject the claim of E. E. Mathewson against the county for $3,000 for plans and specifications prepared for a new county hospital which the board subsequently decided not to build. District Attorney Stanley Murray read to the board the opinion of Attorney-General Webb that Mr. Mathewson's claim was a valid one, but the board was not influenced by the opinion of the attorney-general, voting unanimously to reject the claim. Mr. Mathewson will doubtless bring suit for the collection of the amount he claims is due him.

## CHAMBER OF COMMERCE ISSUES ATTRACTIVE BOOKLET TO ADVERTISE CITY

"A Trip To Sa nFrancisco" is the title of a sparkling booklet just off the press, which bears the imprint of the Chamber of Commerce.

Prepared by the publicity department of the Chamber, the booklet reflects the lure and glamor of San Francisco with text and illustrations and constitutes an admirable guide book for tourists and other visitors.

The book, which is distinctively printed on tinted pages, is especially attractive for its handsome halftone reproductions. These decipt the principal landmarks and points of interest in San Francisco and invest the book with panoramic interest. The industries of the city as well as its attractions are portrayed, and there is a striking vista of busy Market street, a world thoroughfare.

A list of restaurants, cafes, theatres, and motion picture houses, short out-of-town trips and other information for visitors, including a guide to guide-books about San Francisco, is printed in the booklet.

## CHAMBER OF COMMERCE ISSUES MANUFACTURERS' DIRECTORY.

World attention is being drawn to San Francisco manufacturers and their products through exploitation work now being supervised by C. A. Day, Director of the Industrial Department of the San Francisco Chamber of Commerce.

Through this department thousands of copies of a San Francisco Manufacturers' Directory are being sent out.

The booklets are being distributed among chambers of commerce throughout the United States, to American chambers of commerce abroad, to consuls to other officials and institutions interested in American products.

San Francisco manufacturers and their wares, in fact, are being exploited through this directory as they could not be through any other medium.

The booklet is unique in composition and has a classification of commodity groups that makes it a most handy guide for buyers or potential buyers in this country and abroad.

It is just off the press and is being distributed through the mailing lists of the Industrial Department of the San Francisco Chamber of Commerce.

SANTA CRUZ—One of the biggest timber deals ever put through in the county was that when William Peery and Isaih Hartman purchased the H. L. Middleton interest in 2,000 acres at the northern end of Santa Cruz and and the southern end of San Mateo counties beyond the Big Basin. It is of virgin redwood timber and in the stand are 75,000,000 feet. The greater part will be cut into ties, but there is considerable tan bark.

## NATIONAL DEBT LOWER.

WASHINGTON — A reduction of $705,660,000 in the national debt—more than double the amount by which the debt was lowered during any previous month — was accomplished during March, the treasury reported. The national debt now stands at $24,698,000,000.

## $3,000,000 PROJECT.

REDDING—An all-steel tower line will connect the Pacific Gas and Electric Company's power development on Pitt River with San Francisco Bay. A crew of surveyors arrived to begin mapping out the line. Power development work just starting in Shasta County will cost $3,000,000.

## "ROAD CLOSED—DETOUR"

A county commissioner happened to die
As county commissioners sometimes must,
And he passed to the realms of Sweet By and By,
Where his hopes for the future were turned to dust.
For staring him full in the face he saw
Engraved on the Portal so pearly and pure,
A notice which filled him with anger and awe—
A notice which read, "Road Closed—Detour."
Sadly he moaned, "The tobogan for me,"
As downward he dropped to the Doors of Doom
Where Lucifer met him and howled with glee
As he said to the wandering ghost, "No room.
With Good Intentions my roads are all paved
But once YOU got busy I'm perfectly sure,
(To judge from the way you have always behaved)
You would plaster all hell with 'Road Closed—Detour.'"
Back into space turned the outcast ghost
Seeking the haunts which in life he knew,
But never again will he view the Coast—
The roads are so herce that he cannot get through;
Mockery meets him at every turn,
Punishment pitiless, slow and sure,
For just as Hope's beacon begins to burn
He faces a notice, "Road Closed—Detour."

—Ed. L. Clarson—Mount Vernon, Herald.

# American Association of Engineers

### NEWS FROM NATIONAL HEADQUARTERS.

The American Association of Engineers has concurred with the other groups of subordinate officials established by the recent order of the Interstate Commerce Commission, and nominated W. F. Milligan and W. J. Potts for members of the Railway Labor Board provided by the Transportation Act of 1920.

The engineers' license bill, introduced into the Virginia legislature at the request of the Tidewater-Virginia (Norfolk) and Richmond Chapters of the American Association of Engineers, has been passed by the legislature, signed by the governor, and is now a law. This is the second bill that has been introduced during the present session of the Virginia legislature, the previous one having been superseded because the A. A. E. members in Virginia felt that it was not in accordance with the best features of the model laws proposed.

The law provides for the issuing of certificates to practice under the title of professional engineer, or certified architect, or certified land surveyor.

The examining board is composed of three architects, three professional engineers and three land surveyors, with at least ten years engineering experience.

Certificates are granted upon evidence that the applicant has practiced engineering or architecture for not less than six years or land surveying for not less than two years. The fee is $5.00.

Any citizen of the United States or any citizen-declarant of twenty-one years of age, of good character with at least four years' experience in engineering or architecture, or two years' experience in land surveying, or who is a graduate in architecture or engineering may be granted a certificate after satisfactorily passing the examination in such professional subjects as may be prescribed by the board.

In determining the qualifications of applicants for certification as architects, the majority vote of architectural members of the board only is necessary. The same provision applies to conferring licenses upon applicants for engineering and surveying certificates.

The bill provides for reciprocity with other states whose requirements are satisfactory to the board.

Engineers are very largely supporting the amendment to the Rivers and Harbors Bill, which provides for an increase in salary for engineers employed by the Engineers-At-Large, which was offered by Senator Calder at the request of the Federal Section of the American Association of Engineers. Many local organizations have telegraphed or written their senators. District Secretary Bailey of A. A. E. has arranged for a hearing of a committee of river and harbor engineers before the Senate Commerce Committee to which the Rivers and Harbors Bill has been referred. The Army Section of the New York Chapter of A. A. E. and the Philadelphia, Wilmington, Baltimore and Washington Chapters will have representatives at this hearing. The date has not been set. The Cleveland Chamber of Commerce is actively supporting the amendment.

The newly organized Hampton Roads (Newport News, Virginia) Chapter of the American Association of Engineers has appointed a committee consisting of W. C. Hopkins, designing engineer, chairman; Captain F. C. Peters, office of constructing quartermaster, Langley Field; N. E. Drexler, chgineer, street traction company; M. J. Macklin, sanitary engineer; and J. B. Sinclair, Jr, plant engineer, Southern Shipyard Corporation, to draft a proper building code for presentation to the city council and to outline suitable qualifications for the position of building inspector. This city of fifty thousand has no building code, or an adequate plumbing code, or no inspector of buildings and plumbing. A proposed code has been referred by the city council to a committee, and it is understood that a man has already been selected for the position of building inspector to be created by the code. The candidate for this position is a plumber.

When the Erie Railroad returned to private ownership on March 1, the engineers in the chief engineer's department of that railroad were re-engaged by the corporation at salaries which were about the equivalent of the A. A. E. schedule. A number of promotions were also made. No adjustments were made affecting division engineers or other engineers in divisional service.

The American Association of Engineers has granted chapter charters at Gary, West Virginia; Clifton-Morenci, Arizona; Rochester, New York; Huntington, West Virginia; and the Missouri School of Mines. Club certificates have been conferred at Jefferson City, Missouri; Effingham, Illinois; and Burrwood, Louisiana.

The membership of the American Association of Engineers at the close of business on March 31 was 15,104. Almost three times as many applications were received this March as in the corresponding moth last year.

The University of South Dakota Chapter of the American Association of Engineers has elected the following officers: H. Edison Fowler, president; Julian Pederson, vice-president; Benjamin H. Bowers, secretary; and C. Harold Flocken, treasurer.

The Huntington (West Virginia Chapter of A. A. E. has elected the following officers: L. T. Nuckolls, president; B. V. Davis, first vice-president; I. L. Vandament, secretary; and H. H. Gwathmey, treasurer.

E. I. Van Antwerp, chairman of the housing Committee of the Detroit Chapter, is seeking the nomination of County Auditor of Wayne County on the Republican ticket.

### LOCAL ISSUES MUST BE FOUGHT LOCALLY.

The activities of two chapters in opposite parts of the United States during January illustrated very forcibly what can be accomplished by a chapter which is fully alive to the possibilities of its efforts, and how little can be accomplished by a chapter which acts uncertainly and which is unaware of the opportunities which lie before it as a local entity of the country's largest engineering society.

The one chapter saw the necessity for a certain new law and had it introduced in the legislature and passed. It saw the defeat of another law impending. It successfully blocked the opposition and the bill still stands. It saw the state university needed a larger appropriation to carry on its work during the next year. Although the university had not prepared its bill, the chapter made active efforts in behalf of an appropriation and no doubt would have been successful had the bill been prepared in time. This enterprising chapter saw that the salary limit of the state highway engineer was lower than that recommended by the American Association of Engineers and straightway it proceeded to have the salary limit taken off by the legislature. The same situation existing for county engineers was corrected by having the per diem remuneration limit removed.

The other chapter was confronted with a local situation which demanded immediate action in protest against the usurping of the functions of the engineer by the architect. After more or less uncertain action which got it nowhere, the chapter requested national headquarters to lend assistance in handling the problem.

The first chapter saw certain things to be accomplished. It did them. The second chapter had an idea that something ought to be done about something but didn't know what. The first got results; the second passed the buck.

The local organization must see its opportunities and take advantage of them; understand the problems, and solve them. It must be able to determine important llocal issues and fight its own battles in bringing them to a successful conclusion. — Professional Engineer.

# ADVANCE NEWS
## Official Proposals, Etc.

# BUILDING.

## APARTMENT HOUSES.

Plans Being Prepared.
ALTERATION. Cost, $——
SAN FRANCISCO. W Van Ness Ave. N Union.
Alter three-story frame flat building into 12 3-room apartments.
Owner—B. F. Shaw.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.

Plans Being Revised. New Figures to be Taken.
ALTERATIONS Cost, $14,000
OAKLAND, Alameda Co., Cal. 14th St. near Market.
Alter two and three-story frame buildings into 12 apts. of 3 rooms
Owner—Name Withheld.
Architects—Chester Miller and Carl Warnecke, Call Bldg., San Francisco, and Perry Bldg., Oakland.

Plans Being Figured.
APARTMENT HOUSE Cost, $20,000
SAN FRANCISCO.
Three-story brick apartment house (3 apts.)
Owner—U-Turnit System (J. M. Thomas Mgr.), 1202 Claus Spreckels Bldg. San Francisco.
Architect—P. L. Cimini of Buffalo, New York, 1202 Claus Spreckels Bldg., San Francisco.

## BONDS.

VISALIA, Tulare Co., Cal.—An election will be held April 16, in the Visalia high school district to vote on issuing $112,000 bonds for additions to the high school. Frenk Lamberson is president of the board.

LODI, San Joaquin Co., Cal.—The $90,000 school bond issue of the Lodi School District has been sold by the County Supervisors and construction on a new school building will be started in the near future from plans being completed by Architect W. J. Wright, Bank of Italy Bldg., Stockton. The building will contain eight rooms and assembly hall and will be of hollow tile construction, costing about $65,000.

ANAHEIM, Orange Co., Cal.—An election will be held in May to vote on issuing $283,344 bonds for the construction of the Anaheim-Fullerton joint outfall sewer to the ocean. The cost of the joint sewer is estimated at $486,031 of which Anaheim's share will be $243,015. Extension of the Anaheim sewer system to the joint outfall will cost $40,328. It is expected that when the joint outfall sewer is completed Anaheim will be able to sell two tracts purchased for sewer farms for aproximately $100,000.

STOCKTON, San Joaquin Co., Cal.—No bids were received by the Board of Education for the purchase of $500,000 in school bonds; $300,000 for grammar school and $200,000 for high school.

It is planned to sell the bonds through private sale. Warren H. Atherton is Attorney for the Board of Education.

Davis, Heller & Pierce of Stockton have been selected as architects and superintendents of construction.

SPARKS, Nevada—Bonds of $30,000 were voted at a recent election to finance the construction of two additional rooms to the present grammar school building. A small portion of the $30,000 will be used in the purchase of supplies, etc., for use in the school.

SAN JOSE, Santa Clara Co., Cal.—The $70,000 bond issue of the Sunnyvale School District has been sold by the County Supervisors. Proceeds of the sale will finance construction of the new school buildings. A one-story reinforced concrete building and a one-story frame building. Captain Ernest J. Norberg, Bankers' Investment Bldg., San Francisco is the architect.

ELK GROVE, Sacramento Co., Cal.—The Trustees of the Elk Grove High School District have called a meeting to set a date for the proposed election when the proposition of issuing bonds of $120,000 with which to erect a new high school building will be decided. The district embraces nineteen grammar school districts.

Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento, has prepared preliminary plans for the proposed building, but as yet these have not been approved.

SACRAMENTO, Cal.— The $18,000 bond issue of the Carmichael School District has been sold by the County Supervisors. Proceeds of the sale will finance construction of a new grammar school building.

CARSON CITY, Nevada—Bonds of $20,000 have been voted by the Carson City School District to finance construction of a gymnasium building for the local high school.

EI CENTRO, Imperial Co., Cal.—An election will be held April 12, to vote on issuing $195,000 bonds for the construction of the New river settling basins including canals and pumping and purification plants; also $28,000 bonds to line with concrete the existing settling basins. W. E. Van Way, City Clerk.

BAKERSFIELD, Kern Co., Cal.—May 4th is the date set by the County Supervisors to vote bonds of $400,000 with which to finance the erection of a $240,000 memorial building in Bakersfield and the erection of eight memorials in various sections of the county, estimated at $20,000 each.

Architect Chas. H. Biggar of Bakersfield has prepared plans for the larger structure.

It was at first planned to erect in Bakersfield a structure costing $560,000, but this has been reduced to $240,000. F. E. Smith is County Clerk.

LOS ANGELES, Cal.—The Los Angeles City Board of Education plans to call an election within sixty days to vote on the question of issuing bonds in the sum of $9,500,000 for the erection of new school buildings. As practically no new buildings have been constructed since the war, the present buildings are badly overcrowded and many new buildings are needed.

TULARE, Tulare Co., Cal.—April 29th is the date set by the Tulare City Council to decide the question of issuing and selling bonds of $50,000 for a City Hall and $75,000 for a civic auditorium which will take the place of a memorial building for war veterans. F. M Eldridge is City Clerk.

Architects W. C. Perry and G. B Sturgeton, Newhall Bldg., San Francisco, have prepared plans for the structure.

## CHURCHES.

Plans Being Prepared.
CHURCH Cost, $65,000
TUSTIN, Orange Co., Cal.
Brick or concrete church.
Owner—First Presbyterian Church.
Architect—H. M. Patterson, 325 O. T. Johnson Bldg., Los Angeles.

Plans Being Revised.
CHURCH AND PARISH HOUSE Cost, $60,000.
CENTERVILLE, Alameda Co., Cal.
One-story reinforced concrete and hollow tile church and parish house.
Owner—Centerville Roman Catholic Parish. Rev. Souza is Pastor.
Architects—Shea & Minton, 244 Kearny St., San Francisco.
NOTE:—It has not been decided whether plans will be re-figured.

Plans Being Prepared.
CHURCH Cost, $80,000
BREMERTON, Washington.
Brick and stone church, 113x90; auditorium seating 1000.
Owner—First Methodist Episcopal Church.
Architects—Baker & Vogel, Pacific Block, Seattle, Wash.

## FACTORIES AND WAREHOUSES.

Contract Awarded
WAREHOUSE Cost, $20,000
VALLEJO, Solano Co., Cal. No. 709 Kentucky Street.
Reinforced concrete warehouse, 50x130.

Owner—Hussey Bros., 1101 Sonoma St., Vallejo, Cal.
Architect—Not Given.
Contractor—John Monk, Vallejo, Cal.
Provision has been made in the plans so as to allow for the addition of another story.

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Plans Being Prepared.
PACKING PLANT Cost, $15,000
MODESTO, Stanislaus Co., Cal. Tenth Street.
Two-story brick or concrete poultry packing plant.
Owner—McCullough Provision Co., 340 Davis St., San Francisco. B. V. Harman, 1004 H St., Modesto, is Manager of the Modesto Branch.
Architect—A. J. Mazurette, Masonic Bldg., Modesto.

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Completing Plans. Figures to be Taken Shortly.
FACTORY Cost, $——
LOS ANGELES. NW Eighth and Figueroa Streets.
Six-story and basement Class 'A" factory, 200x180.
Owner—Brownstein-Louis Co.
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

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Plans Being Prepared.
LOFT BLDG. Cost, $——
LOS ANGELES, Cal. SE Alvarado and Orange Streets.
Four-story and basement Class 'A" reinforced concrete loft building.
Owner—Frank L. Schaffer.
Architect—Edwin Bergstrom, 1129 Citizens National Bank Bldg., Los Angeles.

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Working Drawings Being Prepared.
LOFT BLDG. Cost, $400,000
SAN FRANCISCO. Howard and New Montgomery Streets.
Eight-story reinforced concrete loft building, 160x142.
Owner—Sharon Estate, Sharon Bldg., San Francisco.
Lessee—Furniture Exchange, 1055 Market St., San Francisco.
Architect—Kenneth MacDonald Jr., and Geo. W. Kelham, Associate, 234 Pine St., and Sharon Bldg., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.

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Plans Being Prepared
WAREHOUSE, ETC. Cost, $——
OAKLAND, Cal. Eighteenth and Poplar Sts.
Reinforced concrete factory and warehouse.
Owner—Western Casket Co., 320 10th St., Oakland.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

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Plans Being Figured.
SHOP BLDG. Cost, $20,000
OAKLAND, Cal. Fourth and Jefferson Streets.
Three-story concrete and frame shop building.
Owner—Bay Engineering Co., Market and Apgar Sts., Oakland.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg.,Oakland.

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Segregaaed Figures Being Taken.
SHOP Cost, $8,500
AUTO REPAIR SHOP Cost, $8,500
SAN FRANCISCO. Ellis Street near Larkin Street.
One-story brick auto repair shop.
Ownerf—Withheld.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

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Plans Being Prepared
LOFT BLDG. Cost, $40,000
SAN FRANCISCO. SE Montgomery and Commercial Streets.
Two-story and basement Class "C" loft building, 30x68-9.
Owner, Architects & Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.
Lessees—De Pue Warehouse Co.

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Contract Awarded. Sub-Figures Being Taken.
ADDITION Cost, $362,500
SAN FRANCISCO. Eighth and Brannan Streets.
One and four-story and basement reinforced concrete addition to present plant, 175x275.
Owner—National Carbon Co., Premises.
Engineer—Maurice Couchot, 110 Sutter St., San Francisco.
Contractor—Hannah Bros., 142 Sansome St., San Francisco.
Hannah Bros. have awarded the following contracts:
**Rock** to Rock, Sand & Gravel Co., 153 Berry Street.
**Cement** to Pacific Portland Cement Co.
**Steel Sash** to Fenestra Constr. Co., 68 Post Street.
**Elevators** to Otis Elevator Co., Beach and Stockton Streets.
**Reinforcing Bars** to Gunn Carle & Co., 444 Market Street.

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Plans Being Prepared. Materials to be Purchased Shortly.
ICING PLANT Cost, $370,000
SPARKS, Nevada.
One-story reinforced concrete icing plant.
Owner—Pacific Fruit Express Co., S. P. Bldg., San Francisco.
Architect—Engineering Department of Owner.
NOTE:—Work will be done by days labor and materials will be purchased by the Purchasing Department of the Southern Pacific Company.

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LONG BEACH, Los Angeles Co., Cal. —W. M. Peek, Director of Public Safety, has had preliminary plans prepared for an incinerating plant to be built by the city in the west side industrial district. The plant will cost about $35,000 and will combine the best features of the incinerators at Pasadena and Venice.

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Working Drawings Being Prepared—Contract Awarded on a Percentage Basis.
LOFT BLDG. Cost, $400,000
SAN FRANCISCO. Howard and New Montgomery Streets.
Eight-story reinforced concrete loft building, 160x142.
Owner—Sharon Estate, Sharon Bldg., San Francisco.
Lessee—Furniture Exchange, 1055 Market St., San Francisco.
Architect—Kenneth MacDonald Jr., and Geo. W. Kelham, Associate, 234 Pine St., and Sharon Bldg., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—Taylor & Goericke, Sharon Bldg., San Francisco.

Plans Being Completed.
BAKERY & OFFICES Cost, $100,000
SEATTLE, Wash. 19th Ave. and Main Street.
Two-story and basement brick and concrete bakery and offices, 117x104
Owner—Seattle Baking Co., 302 19th St. South, Seattle, Wash.
Architect—Andrew P. Willatzen, Boston Block, Seattle, Wash.

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Contract Awarded. Figures to be Taken for Materials and Sub-Contracts.
FACTORY, ETC. Cost, $——
RICHMOND, Contra Costa Co., Cal. Chesley Ave. bet. S. P. and Santa Fe Tracks.
Three-story brick and concrete paint factory; one-story brick and concrete warehouse, oil storage tanks, etc.
Owner—Certain-Teed Products Cptn., 1st National Bank Bldg., San Francisco and Richmond, Cal.
Architect & Contractor—Wimmer Construction Co., St. Louie, Mo.
The superintendent of the Wimmer Company is expected to arrive in Richmond this week and will have charge of purchasing materiale, etc.

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DURHAM, Butte Co., Cal.—A new $11,000 addition to the corrugated iron warehouse at Durham, five miles south of Chico, has been passed upon by the Board of Directors of the Sacramento Northern Railroad. By the improvements the warehouse will be increased in size 50 by 200 feet, or 10,000 square feet. Construction work will begin in about a week, being finished in time to care for the large grain crops that come from that region.

## FLATS.

Sub-Figures to be Taken Next Week.
FRAME FLATS Cost, $15,000
SAN FRANCISCO. S Sacramento 87-6 W Buchanan Street.
Two-story and basement frame (4) flats
Owner—Adolph Fricke, 1849 Howard St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Work will be done by days labor.

## GARAGES.

Contract Awarded.
MACHINE SHOP, ETC. Cost, $10,000
MARTINEZ, Contra Costa Co., Cal. Mill and Howard Streets.
Brick machine shop and tractor show rooms.
Owner—Mayor J. E. Colton, Martinez.
Architect—None.
Contractor—Mr. Jeffery, Martinez.

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Contract Awarded.
GARAGE Cost, $——
PETALUMA, Sonoma Co., Cal. Third and C Streets.
Brick annex for garage, 106x121.
Owner—Sparks & Murphy, Premises.
Architect—Not Given.
Contractor—H. P. Vogensen, 600 5th St., Petaluma.

## GOVERNMENT WORK & SUPPLIES.

WASHINGTON, D. C.—Up to April 22nd, 10:30 P. M., bids will be received by the General Purchasing Officer, The Panama Canal, under Circular No. 1359, for furnishing and delivering the following materials on dock at Balboa (Pacific Port):

Copper cable, storage batteries, cable end bells, receptacle boxes, conduiets, circular loom or conduit, cutouts, conduit elbows, hard horn fiber, electrical fixtures, renewable fuses, lamp guards, electric water heaters, pipe forcing jacks, blinker keys, sockets, switches, snatch and tackle blocks, copper ferrules, nails, horss shoes, mule shoes, brazing spelter, wheelbarrows, semivitreous floor tile, license tags, manila rope, harness, bridle leather, saddles, plate glass, window glass, corn brooms, automobile tires and tubes, canvas hose, rubber hose, metallic hose, soap, paper towels, cargo check books, lead pencils, typewriter ribbons, bristol board, southern yellow pine lumber and creosoted yellow pine lumber.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, Bell Street Terminal, Seattle, up to 11 A. M., April 19th, for furnishing and delivering under Circular No. 419 the following materials, delivered on Pier in Seattle:

Boiler tubes, steam hose, rubber and leather belting, leather, brass rods, sheet brass, copper, babbitt, zinc spelter, lead, tin, machine shop tools, twist drills, blacksmiths' tools, shovels, picks, wedges, forks, handles, locomotive whistles and repair parts; grate bars and rocking grates; air brake parts; repair parts for Bucyrus steam shovel; and saws.

SAN FRANCISCO—The following bids were received April 5th by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Bldg., San Francisco, for constructing or improving the San Gabriel National Forest Road Project, located withing or partly within the Angeles National Forest, Los Angeles County. Bids were taken under advisement:

| | |
|---|---|
| Bechtel & Hoey, 631 Market St., San Francisco | $ 95,630.65 |
| J. F. Ready | 104,072.30 |
| Marsh Bros. & Gardenier, Inc | 103,961.97 |
| Bent Bros., Los Angeles | 113,953.64 |
| Sharp & Fellows, L. A. | 139,368.97 |
| J. L. Conner and R. L. Basich Los Angeles | 178,556.95 |

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, Washington, D. C., has completed specifications for a refrigerating plant bakery and laundry equipment for the San Diego Marine Corps base, under Specification 4114, and may be had on deposit of $10. The estimated cost is $55,000.

The following is a list of prespective bidders for this work:

National Marking Machine Co., 1052 Gilbert Ave., Cincinnati, Ohio.

Triumph Ice Machine Co., Cincinnati Ohio.

A call for bids for this work will be issued in the near future.

WASHINGTON, D. C.—The York-California Construction Co., York, Pa., which has the contract to install a refrigerating plant in the U. S. Marine Hospital, San Francisco, has been allowed by the Supervising Architect to substitute the following materials for use in the work:

Compressor and engine, York Manufacturing Co.; brine pump, Keogh Manufacturing Co., San Francisco; brine-pump motor, General Electric Co.; non-conducting covering for steam and exhaust piping, Sall Mountain Co.; do for brine and refrigerating lines, Armstrong Cork Co., Camden, N. J.

WASHINGTON, D. C.—The contract for furnishing and installing an automatic telephone system in the U. S marine hospital, San Francisco, has been awarded to Automatic Electric Co., 320 Market St., San Francisco, at $3,995. The work is to be completed in 240 days.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing and delivering the following materials. (The date of opening bids is noted at end of each paragraph):

Schedule 5875, for Mare Island, 1 overhead traveling crane, opening of April 30.

Schedule 5879, for Tiburon, Calif., 16,500 pounds steel rails, opening of April 30.

Schedule 5895, for Puget Sound, 2 transmitters and indicators, 1 contact maker, 4 whistle and gong pulls, 13 gongs and 1 switchboard, opening of April 27.

Schedule 5911, for Puget Sound, 1 balancing equipment, opening of April 27.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer, The Panama Canal, up to April 20th, 10:30 A. M., for furnishing and delivering the following materials under Circular No. 1358:

Elevator, dumbwaiter, bending rolls, die stocks, flue cutters, key-seating machines, iron folding machine, cornice brake, metal-cutting band saw squaring shears, drilling-machine table, staybolt iron, steel, steel cable, steel rope, wire, steel tubes, copper tubing, urinal stalls, and blue-print paper.

## HALLS AND SOCIETY BUILDINGS.

Plans Being Prepared.
CLUB BUILDING, ETC. Cost, $60,000
LONG BEACH Cal. Los Cerritos Rancho.
Frame and plaster club building and out buildings.
Owner—Virginia Country Club, Long Beach.
Architects—Hunt & Burns, 701 Laughlin Bldg., Los Angeles.
William Watson will lay out the golf course.

Preliminary Sketches Prepared.
CLUB BUILDING Cost, $——
SAN FRANCISCO. Near Waterfront.
Seven-story reinforced concrete club building.
Owner—Seaman's Church Institute, 58 Clay St., San Francisco.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
NOTE:—When the building will be erected has not been decided, as funds must be raised first.

Plans Being Prepared.
CLUB BLDG. Cost, $200,000
EVERETT, Washington.
Three-story and basement brick and stone club building, 115x114.
Owner—Y. M. C. A.
Architects—Baker & Vogel, Pacific Block, Seattle.

PASADENA, Los Angeles Co., Cal.—The Pasadena Golf Club, recently organized by J. B. Coulston, A. M. Andrews and others, has taken over the property of the Altadena Country Club and contemplates expending $500,000 in the construction of three golf courses, a resort hotel, bungalows, a swimming pool and an open-air dance pavilion. Work on the first golf course has been started under the supervision of George O'Neil and Jack Croake.

## HOSPITALS.

Plans Being Completed. Contract Awarded on a Percentage Basis.
HOSPITAL Cost, $200,000
ROSEBURG, Oregon.
Three-story hollow tile tubercular Hospital, 80x145.
Owner—Dr. Riter, Rosebeurg, Ore.
Architect—E. E. McClaran, Lumber Exchange Bldg., Portland, Ore.
Contractor—C. W. Frazier, 1396 Curtis St., Portland, Ore.
In addition to the main building plans will provide for an administration building, $10,000 and natatorium, $15,000.
NOTE:—Contractor Frazier is now located at Wilbur, Ore., where he is completing a school building.

Plans Being Figured.
ALTERATIONS Cost, $4,000
SAN FRANCISCO. No. 1025 Shotwell Street.
Alter Infants' Home (raise eaves, move partitions, new hardwood floors, etc.)
Owner—Infants' Shelter, Premises.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.

## HOTELS.

Plans Being Prepared.
ALTERATIONS Cost, $150,000
SANTA BARBARA, Cal. Ambassador Hotel.
Alter hotel and erect a garage, two bungalows, service quarters, rearrange mechanical plant, etc.
Owner—The S. W. Strauss & Co.
Architect—Myron Hunt, Hibernian Bldg., Los Angeles.

Contract Awarded.
HOTEL Cost, $70,000
SEATTLE, Wash. Corner Seventh Ave. and King Street.
Five-story brick hotel and stores, 130x60.
Owner—Louis T. Ding, So Ho Soon and Paul Wong.
Architect—John Creutzer, Leary Bldg., Seattle, Wash.
Contractor—J. Kelgren, 7th Ave. and King St., Seattle, Wash.

## POWER PLANTS.

BAKERSFIELD, Kern Co., Cal.—Work will be started at once under the direction of E. A. Quinn, general superintendent, on the new steam plant of the San Joaquin Light & Power Corporation in the gas fields in Elk Hills. The first unit will have about 20,000 h. p. capacity and will cost, including building, $1,769,850.

SAN BERNARDINO, Cal. — The Southern Sierras Power Co. will build a transmission line 20 miles to Apple and Lucerne valleys and a line 10 miles to the Hinkley section.

## PUBLIC BUILDINGS

ARCADIA, Los Angeles Co., Cal.—Until 8 P. M., April 19, bids will be received by City Clerk Ethel Grimes for erecting an addition to the City Hall in accordance with plans and specifications by Architect J. K. Roberts of Los Angeles on file at the office of the City Clerk. Certified check for 10% required.

FRESNO, Fresno Co., Cal.—County Clerk D. M. Barnwell has been instructed by the Supervisors to issue a call for bids for brick work in connection with the alterations at the county detention home. It is probable that the bids will be opened May 3rd.

SACRAMENTO, Cal.—The State Department of Engineering, Forum Bldg., Sacramento, is carrying on new construction work by day labor. Four frame farm buildings at Norwalk and a frame shop building at the Pacific Colony, near Pomona, are now under construction. Work will begin shortly on the main building for the Pacific Colony, on additional buildings at Norwalk, and on additional buildings for the California school for girls near Ventura. Materials for construction work are purchased through the State Purchasing Department at Sacramento. Material dealers, particularly those handling lumber, sand, rock, iron work, roofing, plumbing, wiring and hardware, who desire to be notified when materials are to be purchased should file their names with Harold G. McMullen, Purchasing Department, State Capitol Bldg., Sacramento.

## RESIDENCES.

Plans Being Figured. Bids Close Apr. 27, 11 A. M.
BUNGALOW Cost, $——
TRACY, San Joaquin Co., Cal.
Erection of bungalow at Pumping Plant near Bethany, 7 miles NW of Tracy, under Contract No. 18.
Owner—West Side Irrigation District. John C. Chrisman, Secretary, Tracy
Architect—Chief Engineer of West Side Irrigation District, Tracy.

Figures Being Taken From a Selected List of General Contractors.
BUNGALOWS Cost, $2,500 each
OAKLAND, Alameda Co., Cal. East Oakland.
Forty-six one-story frame bungalows.
Owner—East Oakland Securities Co.
Architect—John Hudson Thomas, First National Bk. Bldg., San Francisco.

Sub-Contracts Awarded.
RESIDENCE Cost, $70,250
PALO ALTO, Santa Clara Co., Cal.
Two-story frame and hollow tile residence and garage (14 rooms and 3 bathrooms).
Owner—J. Henry Meyer, 440 Montgomery St., San Francisco.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.
Contractor—Weeden Bros., Menlo Park, Cal.
**Heating**—J. E. O'Mara, San Francisco, $2,350.
**Electric Work**—Paul C. Butte, San Francisco, $2,423.
**Plumbing**—Frederick W. Snook, San Francisco, $4,980.

Contract Awarded.
PALO ALTO, Santa Clara Co., Cal.
Two-story frame and hollow tile residence and garage (14 rooms and 3 bathrooms).
Owner—J. Henry Meyer, 440 Montgomery St., San Francisco.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.
Contractors—Weeden Bros., Menlo Park, Cal.

Plans Being Figured.
RESIDENCE Cost, $——
ROSS, Marin Co., Cal.
Two-story and basement frame and plaster residence (16 rooms).
Owner—Mrs. Thos. O'Connell.
Architect—Albert Farr, 68 Post St., San Francisco.

Plans Being Prepared.
BUNGALOW Cost, $10,000
SAN MATEO, San Mateo Co., Cal.
One-story and basement frame bungalow (6 rooms and separate garage)
Owner—Withheld.
Architect—Ernest Norberg, 742 Market St., San Francisco.

Plans Being Prepared.
DWELLINGS Cost, $3,000 to $5,000
OAKLAND, Alameda Co., Cal.
100 one-story frame dwellings (5 and 6 rooms).
Owner—Laymance Real Estate Co., 1515 Franklin St., Oakland.
Architects—Owners.

Plans Being Figured.
ADDITION Cost, $4,000
SAN FRANCISCO, No. 1675 Sutter St.
Add to residence (add breakfast room, sun porch and terrazzo steps).
Owner—Chas. Happenbeck, 821 Leavenworth St., San Francisco.
Architects—M. O'Brien and E. H. Hildebrand Associated, 68 Post St., San Francisco.

Concrete Work Contract Awarded.
RESIDENCE & GARAGE, Cost, $70,000
SAN FRANCISCO, NE Vallejo and Baker Streets.
Two-story and basement reinforced concrete residence and garage (15 rooms and 4 bathrooms).
Owner—E. L. Hueter, Flatiron Bldg., San Francisco.
Architects—Louis M. Upton and Milton Latham, 454 Montgomery St., San Francisco.
Concrete work awarded to the American Concrete Co., 785 Market Street, San Francisco.
Figures will be taken in about two weeks for the general contract.

Contract Awarded on a Percentage Basis.
RESIDENCE Cost, $100,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story and basement frame and plaster residence about 10 rooms (also garage and lodge buildings).
Owner—W. C. Van Antwerp, Pacific Union Club (California and Mason Sts.), San Francisco.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Contract Awarded
RESIDENCE Cost, $70,000
Segregated Figures Being Taken.
RESIDENCE Cost, $20,000
SAN FRANCISCO, Jordan Park.
Two-story and basement frame and stucco residence (12 rooms and basement garage.
Owner—A. K. Brewer.
Architect—E. E. Young, 251 Kearny St., San Francisco.
200-201

## SCHOOLS.

LOVELOCK, Nevada—Jacob C. Meyer has been awarded the contract for the plumbing work in the Lovelock school building from plans by Architects Geo. C. Sellon & Co., Mitau Bldg., Sacramento. Meyer submitted a bid of $18,-636 and after changes were made in the plans, reducing the bid, he was awarded the contract.

Howard S. Williams, Hearst Bldg., San Francisco, has the general contract. Other bidders for the plumbing work were:

Geo. E. Wilkenson, Reno, Nev., $21,-440; J. Kerns, Lovelock, Nev., $20,134.55 and Latouretto Fiscal Co., Sacramento, $18,435.

SAN BERNARDINO, Cal.—The Board of Education after conference with the architects and contractors have agreed to award contracts on revised figures as follows for the erection of new grade school buildings on bids received March 25:

Mt. Vernon Ave. school, 10 rooms, Quality Mill Co., $60,956.

Highland Ave. school, 5 rooms, J. J. Baker, $29,935.

Metcalf school, 5 rooms, Cresmer Mfg. Co., of Riverside, $28,495.

I St. school, 4-room addition, Cresmer Mfg. Co.; cost not determined but to be built with $22,000 remaining.

These figures include heating contracts which have not been let. F. T. Harris is the architect for Mt. Vernon, Highland Ave. and Metclaf schools, and Howard E. Jones, architect for I St. school.

Contract Awarded.
SCHOOL Cost, $——
SEATTLE, Wash. 3rd Ave. N. W. bet 80th and 81st Streets.
Construction of Greenwood School Building.
Owner—City of Seattle.
Architect—F. A. Naramore, Supt. of School Properties, Hinckley Bldg. Seattle, Wash.
Contractor—Rounds, Clist & Co., Walker Bldg., Seattle, Wash.

OAKLAND, Cal.—The Architectural Committee of the Board of Education has submitted recomendations for the distribution of construction jobs, under the recent $5,000,000, to architects and from present indications the recommendations as submitted will be adopted.

Of the forty-one projects recommended, nine will be handled by the building organization's construction department under the supervision of Marston Campbell, Chief of Construction and C. W. Dickey, Supervising Architect.

New East Oakland Cosmopolitan high school, to **Reed & Corlett.**

Fremont high school, shop addition, **Louis E. Stone.**

Elmhurst school, first unit junior high school, including auditorium, **Louis E. Stone.**

New Vocational and Commercial high, on or near present site, **J. J. Donovan.**

Technical high school, additional classrooms and gymnasium, **J. J. Donovan.**

University high school, auditorium and first unit of new building site, **Construction Department.**

New Fruitvale junior high, near Thirty-fifth and Galindo avenues, **Washington J. Miller.**

Intermediate school No. 1, **Edward J. Foulkes.**

Lockwood, new junior high school, **W. H. Weeks.**

New Mosswood junior high school, **William Knowles.**

New Lakeview and McChesney junior high, first unit near Excelsior avenue and Trestle Glen, **Construction Department.**

New Santa Fe junior high school, **E. W. Cannon.**

New Market street junior high, first unit, **Bakewell & Brown.**

Garfield school, **Construction Department.**

Lazear school, **F. D. Voorhees.**

Bay school, **W. J. Bateliff Jr.**

Thompkins school, addition for shops and community center, **Earl B. Scott.**

Prescott school, addition for shops and community center facilities, **Sidney B. Newsom.**

Allendale school, additional class rooms, present site, **Arthur S. Bugbee.**

Bella Vista, **Construction Department.**

Dewey school, additional class rooms, **Construction Department.**

Fruitvale school, addition containing new auditorium, **M. V. Polleto.**

Hawthorne school, additional classrooms and additional site, **Construction Department.**

Highland school, additional classrooms and site, **J. B. S. Cahill.**

Manzanita, auditorium, **M. V. Polleto.**

Melrose Heights, new additional classrooms and auditorium, **Hamilton Murdock.**

New Olive street, standard type building, **C. W. McCall.**

Piedmont avenue, remodeling, auditorium, **Construction Department.**

Stonehurst school, **Horace G. Simpson**

Claremont, additional classrooms, **Construction Department.**

Cole school, additional classrooms, **Construction Department.**

Lafayette, addition for auditorium, **M. V. Polleto.**

Peralta school, 12-room unit, present site, **Harris Allen.**

New Rockridge school, building standard type, **Miller & Warnecke.**

Santa Fe school, additional unit, standard classrooms, **Construction Department.**

Oakland high school, remodeling for office and supervisory purposes, **Construction Department.**

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Plans Being Figured. Bids Close Apr 16, 1920.

SCHOOL Cost, $275,000

SEATTLE, Wash.

Complete consctruction of Highland Park School.

Owner—City of Seattle.

Architect—F. A. Naramore, Supt. of School Properties, Hinckley Bldg., Seattle.

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Plans Being Figured. Bids Close Apr. 21, 1920.

SCHOOL Cost, $200,000

SAN FRANCISCO. N Pacific Avenue Bet. Broderick and Baker Streets.

Grant School (18 rooms, assembly hall, manual training and domestic science departments).

Owner—City and County of San Francisco.

Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.

Bids will be taken as follows:

**General Contract** (estimated cost $140,000; bond fixed at $35,000).

**Plumbing** (estimated cost, $10,800; bond $2,700)

**Heating and ventilating** (estimated cost, $7,600; bond, $1,900).

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Contractor Taking Sub-Figures.

SCHOOL BLDGS. Cost, $136,367

FOWLER, Fresno Co., Cal.

Hollow tile high school buildings.

Owner—Fowler Union High School District.

Architects—Allison & Allison, Hibernian Bldg., Los Angeles.

Contractor—E. E. Etherton, Monadnock Bldg., San Francisco

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Complete List of Bids For High School

SUSANVILLE, Lassen Co., Cal.

One-story and basement stone and frame school.

Owner—Lassen Union High School District.

Architect—John Galen Howard, 1st National Bank Bldg., San Francisco.

The following is a complete list of the bids received on April 7th:

All bids were taken under advisement.

**General Contract.**

| | |
|---|---|
| John J. Woodward, Susanville | $58,765 |
| Wm. Grebe, Susanville | 59,400 |
| R. W. Moller, San Francisco | 60,534 |
| Jas. L. McLaughlin, S. F. | 60,950 |

**Plumbing.**

| | |
|---|---|
| J. E. O'Mara, San Francisco | $ 6,100.00 |
| Carl T. Doell, Oakland | 6,423.00 |
| Jacob C. Meyer, Reno, Nev. | 6,986.00 |
| Scott Co., San Francisco | 7,221.00 |
| Hatley & Hatley, Sacramento | 7,438.00 |
| Mack & Weir, Susanville | 7,500.00 |
| Charles Wara, Reno, Nev. | 7,500.00 |
| James & Drucker, S. F. | 7,590.00 |
| Susanville Plumbing & Heating, Co., Susanville | 11,533.80 |

**Electric Work.**

| | |
|---|---|
| Ne Page-McKenny Co., S. F. | $2,997 |
| Reno Electric Works, Reno, Nev. | 3,150 |
| Butte Elec. & Mfg. Co., S. F. | 3,286 |
| Central Elec. Co., San Francisco | 3,997 |
| F. E. Newberry Elec. Co., S. F. | 5,000 |

**Heating.**

| | |
|---|---|
| W. K. Nottingham Co., Oakland | $ 8,888.88 |
| Carl T. Doel, Oakland | 8,948.00 |
| J. E. O'Mara, San Francisco | 8,990.00 |
| Scott Co., San Francisco | 9,040.00 |
| Hatley & Hatley, Sacramento | 9,182.00 |
| F. C. Savage, Reno, Nev. | 9,448.00 |
| James & Drucker, S. F. | 9,640.00 |
| Charles Wara, Reno, Nev. | 9,675.00 |
| Jacob C. Meyer, Reno, Nev. | 9,730.00 |
| Jas. A. Nelson, San Francisco | 9,950.00 |
| Mack & Weir, Susanville | 10,850.00 |
| Atlas Heating & Ventilating Co., San Francisco | 10,890.00 |

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Contract Awarded

SCHOOL Cost, $4,496

CASTELLA, Shasta Co., Cal.

One-story frame school building.

Owner—Castle Rock School District, Mrs. J. A. Mattos, Clerk, Castella.

Architect—Not Given.

Contractor—J. P. Brennan, Redding.

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Contract Awarded. Foundation Work Started.

CONVENT SCHOOL Cost, $30,000

STOCKTON, San Joaquin Co., Cal. North San Joaquin Street.

Three-story brick convent school.

Owner—St. Anges' School. Rev. W. E. Gough in charge.

Architect—Geo. McCrea, 1st National Bank Bldg., Oakland.

Contractor—Daniels & Green, 1029 W-Park St., Stockton.

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Preliminary Plans Being Prepared.

SCHOOL Cost, $——

CROCKETT, Contra Costa Co., Cal.

Grammar school building.

Owner—Carquinez School District.

Architect—W. H. Weeks, 75 Post St., San Francisco.

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Preliminary Plans Approved.

SCHOOL Cost, $——

ORLAND, Glenn Co., Cal.

School building (5 class rooms, teachers' room and library.

Owner—Orland Grammar School District.

Architects—Woollett & Lamb, Physicians Bldg., Sacramento.

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SAN FRANCISCO—Plans and specifications have been approved by the Board of Education for additions and alterations to the Excelsior School on the north side of Excelsior street between Paris and London streets and the Board of Public Works has requested the Supervisors to pass an Ordinance authorizing the calling of bids for construction.

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BERKELEY, Alameda Co., Cal.—Petitions are being circulated by students of the University of California requesting construction of new dormitory buildings. When 3,000 signatures have been secured the petitions will be presented to the Board of Regents for consideration.

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Contract Awarded on a Percentage Basis.

AUDITORIUM Cost, $83,000

PASADENA, Los Angeles Co., Cal. Throop College Grounds.

One-story reinforced concrete auditorium building, 56x74.

Owner—Throop College.

Architect—Bertram G. Goodhue, New York.

Supervising Architect—Carleton M. Winslow, Van Nuys Bldg., Los Angeles.

Contractor—W. C. Crowell, Chamber of Commerce Bldg., Pasadena.

Plans Being Prepared.
SCHOOL Cost, $12,500
MANTECA, San Joaquin Co., Cal.
Grammar school building.
Owner—Rustic School District.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Figures to be Called For Shortly.
SCHOOL BLDGS. Cost, $350,000
HANFORD, Kings Co., Cal.
Five two-story brick and concrete high school buildings(Academic, Science, Arts, Gymnasium and Shop Bldgs.)
Owner—Hanford Union High School District.
Architects—Coates & Traver, Rowell Bldg., Fresno.

SAN FRANCISCO—O. Monson, 1907 Bryant Street, San Francisco, submitted the low bid to the Board of Public Works for the construction of the two-story brick and concrete 10-room school building to be erected on Harrison street between Tenth and Eleventh streets from plans by Architect John Reid Jr., First National Bank Bldg., and will probably be awarded the contract.

Following is a complete list of the bids received:

O. Monson, Unit A, $3.00; Unit B, $5.00 Unit C, $8.00; Unit D, $18; Unit E, $20. Unit F, $0.08; Lump sum, $128,247.

Alfred Vogt (A) $2.00; (B) $3.00; (C) $4.00; (D) $19; (E) $24; (F) $0.06¾. Lump sum, $133,433.

Bos & O'Brien (A) $2.00; (B) $3.00; (C) $4.00; (D) $11; (E) $12; (F) $0.08. Lump sum, $136,653.

Robt. Trost (A) $2.00; (B) $4.00; (C) $6.00 ;(D) $16; (E) $20; (F) $0.07. Lump sum, $133,507.

P. F. Reilly (A) $2.50; (B) $3.75; (C) $5.00; (D) $22.50; (E) $24; (F) $0.07. Lump sum, $129,875.

Anderson & Ringrose (A) $2.00; (B) $4.00; (C) $6.00; (D) $16; (E) $20; (F) $0.08. Lump sum, $131,190.

K. E. Parksr Co. (A) $2.00; (B) $2.90; (C) $7.00; (D) $22; (E) $25; (F) $0.07. $0.07. Lump sum, $133,473.

Lange & Bergstrom (A) $3.00; (B) $6.00; (C) $13; (D) $18; (E) $19; (F) $0.07. Lump s um, $133,473.

## STORES AND OFFICES.

Commissioned to Prepare Plans.
BANK & OFFICE BLDG Cost, $400,000
TACOMA, Washington.
Four-story reinforced concrete and stone bank and office building, 50x 120.
Owner—Tacoma National Bank, Tacoma, Wash.
Architects—Sutton & Whitney, Lewis Bldg., Portland, Ore.
NOTE:—The architects also maintain offices in Tacoma.

Contract Awarded.
STORES Cost, $10,000
KNIGHTS LANDING, Yolo Co., Cal.
One-story brick stores.
Owner—J. V. Leithold, Woodland.
Architect—Not Given.
Contractor—E. L. Younger, Woodland.

Plans Being Prepared. Contract Awarded on a Percentage Basis.
AUTO SALES BLDG. Cost, $600,000
SAN FRANCISCO. NE O'Farrell Street and Van Ness Avenue.
Seven-story and basement reinforced concrete auto sales building.
Owner—Don Lee (Cadillac Motor Cars) 1601 Van Ness Ave., San Francisco.
Architects—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

Plans Being Figured.
OFFICE BLDG. Cost, $700,000
SAN FRANCISCO. SW Bush and Montgomery Streets.
Fifteen-story Class "A" office building.
Owner—Crocker Estate.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Plans Being Prepared. Contract Awarded on a Percentage Basis.
AUTO SALES BLDG. Cost, $25,000
SACRAMENTO, Cal. 16th and K Sts.
One-story brick auto sales building.
Owner—Don Lee (Cadillac Motor Cars) 1601 Van Ness Ave., San Francisco
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.
Contractor—Lindgren & Co., Monadnock Bldg., San Francisco.

Plans to be Prepared.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. Pine Street Bet. Van Ness Ave and Polk Street.
Reinforced concrete auto sales building.
Owner—Chester Weaver Co., 1560 Van Ness Ave., San Francisco.
Architect—None.

Contractor Taking Sub-Figures.
OFFICE BLDG. Cost, $1,000,000 Approximately.
SAN FRANCISCO. Pine and Montgomery Sts. (Old Nevada Block Property.)
Fifteen-story Class "A" office building.
Owner—Commercial Union Assurance and The California Fire Insurance Company.
Architects—Geo. W. Kelham and Kenneth MacDonald Jr., Associate, Sharon Bldg., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.
The Pacific Rolling Mills Co., 17th and Mississippi streets, has the steel contract for approximately $275,000.
**Erection and Painting of Steel** awarded to J. G. Williams Constr. Co., 512 California St., for $34,125.

Plans to be Prepared. Site Purchased.
STORES, ETC. Cost, $75,000
BAKERSFIELD, Kern Co., Cal. 24th and K Streets.
Two-story and basement fireproof stores and lodgerooms (132x115, size of site).
Owner—Bakersfield Aerie No. 93, Fraternal Order of Eagles.
Architect—Not Yet Selected.

Contract Awarded on a Percentage Basis. Contractors Taking Sub-Figures.
STORE BLDG. Cost, $15,000 approximately.
SAN FRANCISCO. Geary Street bet. Powell and Mason.
One-story and basement Class "C" store building.
Owner—Wm. Fitzhugh, Mills Bldg. San Francisco.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

Preliminary Plans Being Prepared.
STORE & OFFICE BLDG Cost, $60,000
TURLOCK, Stanislaus Co., Cal.
Two-story brick store and office building.
Owner—Chas. Geer, Turlock, Cal.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Sub-Figures to be Taken Next Week.
AUTO SALES BLDG. Cost, $200,000
SAN FRANCISCO. SW Van Ness Ave. and McAllister St.
Four-story reinforced concrete auto sales building, 120x219-9, with a two-story wing.
Owner—Pioneer Motor Co.
Architect—S. Hleman, 57 Post St., San Francisco.
Contractor—Clinton Constr. Co., 140 Townsend St., San Francisco.

Contract Awarded on a Percentage Basis. Contractors Taking Sub-Figures.
STORE BLDG. Cost, $150,000 approximately.
SAN FRANCISCO. NE Post and Powell Streets.
One-story and basement store building (9 stores).
Owner—Wm. Fitzhugh, Mills Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco

Plans Being Prepared.
STORE BLDG. Cost, $100,000
SAN FRANCISCO. S Market 50 E 7th Street.
Three-story Class "C" store building.
Owner—Ackerman & Harris, 281 O'Farrell St., San Francisco.
Architect—G. Albert Lansburgh, 769 Mission St., San Francisco.
NOTE:—A lease is under consideration for an arcade market.

Plans Ready For Figures.
BANK BLDG. Cost, $300,000 or more
SAN FRANCISCO. W Montgomery St. bet. Pine and Sutter, adj. First National Bank Building.
Two and three-story and basement Class "A" bank and office building
Owner—First Federal Trust Co. and First National Bank.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Figures will be taken by Mr. P. S. Scales in Mr. Spreckels' Office, First National Bank Bldg

## THEATRES.

Plans to be Prepared.
THEATRE Cost, $——
SAN FRANCISCO. Ninth Ave. near Clement Street, opposite Coliseum Theatre.
Owner—S. Gordon, M. Lesser and A. C. Blumenthal.
Architects—Reid Bros., 105 Montgomery St., San Francisco.
NOTE:—Mr. Blumenthal stated Reid Bros., would in all probability be selected to prepare the plans.

Plans Being Prepared.
THEATRE. COST, $100,000
NAPA, Napa Co., Cal. Main Street.
Class "A" Theatre.
Owner—Thos. O'Day, Hippodrome Bldg., San Francisco.
Architect—Mat O'Brien, 68 Post St., San Francisco,

# ENGINEERING

## BRIDGES, DAMS AND HARBOR WORK.

EUREKA, Humboldt Co., Cal.—Up to April 11th, 2 p. m., bids will be received by Fred M. Kay, County Clerk, for the construction of a reinforced concrete arch bridge across the Mattole River at Mill Ford Crossing, near Upper Mattole, in Road District No. 1

Certified check for 5 per cent required.

VICTORIA, B. C.—The British Columbia Public Works Department has let a contract to Marsh-Bourne Co., for the $1,200,000 Sumas Lake Drainage project. More than 30,000 acres will be brought into productiveness through the letting of the contract. The company will immediately locate at Sumas and commence operations.

STOCKTON, San Joaquin Co., Cal.—Up to April 20th, 10:30 a. m., bids will be received by A. L. Banks, City Clerk, for furnishing the labor and materials necessary for the construction and installation of 2 cargo aprons with drop aprons, bibs, and hoisting machinery under steel shed on north side of Stockton Channel.

Certified check for 10 per cent payable to City Clerk required.

PALMDALE, Los Angeles Co., Cal.—John S. Eastwood, Engineer, 706 Mandana Blvd., Oakland, has prepared plans and has signed a contract to superintend the construction by day work of a multiple arch reinforced concrete dam in Little Rock creek canyon in the mountains on the south side of Antelope valley for the Palmdale and the Little Rock creek irrigation districts. The dam will be 160 ft. extreme height and will impound about 7500 acre ft. of water. The Palmdale district has voted $382,000 bonds and the Little Rock creek district $200,000 bonds, making a total of $582,000 for the construction of the Little Rock creek dam, enlarging and lining with concrete the present reservoir at Palmdale and constructing conduit and water distributing systems to serve about 7500 acres in the Antelope valley. The project has been approved by the State Engineer. Construction on the new dam will be started probably in May. Burt Cole of Palmdale, is engineer for the Palmdale Irrigation District. He will have charge of the engineering work outside the construction of the multiple arch dam. Wm. C. Fetchner, attorney, Wilcox Bldg., Los Angeles, represents the joint interests in the project.

LOS ANGELES, Cal.—The San Gabriel Reservoir Co. will be incorporated with a capital stock of $4,500,000 to construct a dam in the San Gabriel river to impound flood waters for the irrigation of 25,000 to 30,000 acres in San Gabriel valley. The dam will be 150 feet high and will impound 15,000 acre ft. A tunnel 9000 ft. in length through the mountains and a canal 8½ miles long will carry the water from the dam to a storage reservoir south of San Dimas with a capacity of 35,000 acre ft. The actual estimated outlay for the project is $3,970,000. The Beckman & Linden Engineering Corporation of San Francisco has arranged to finance the project, having declared it to be feasible. A. L. Sonderegger, Central Bldg., Los Angeles, is the consulting engineer. Wm. R. Wright of Los Angeles, and J. M. Christian, a rubber tire manufacturer, formerly of Chicago, are promoting the company. Application for permits to appropriate water are pending before the state water commission and these filings have been placed in the hands of trustees to act for water users of the valley.

MARTINEZ, Contra Costa Co., Cal.—A petition is being circulated asking the City Trustees to construct a concrete bridge on Mason street connecting with the northern side of Susana street near the Masonic Hall.

REDWOOD CITY, San Mateo Co., Cal.—The construction of an automobile bridge across Dumbarton cutoff by sixteen counties is proposed in a resolution presented the San Mateo County Supervisors by Richard Welch, a Supervisor of San Francisco.

The San Mateo County Supervisors took no definite action, but declared themselves in favor of such a structure. Elizabeth M. Nash is San Mateo County Clerk.

RENO Nevada.—The Washoe County Commissioners and the City Council of Reno has awarded a contract to J. S. Hoffman of Minden, Nevada, for the construction of the bridge across the Truckee river at the western extremity of Riverside Drive, commonly known as the "electric light bridge." The bid was $32,097, work to be completed within 160 days.

Other bidders were

F. M. Duncan and T. M. Newton of Reno, $34,051 James J. Burke & Company, of Salt Lake, $33,131 for a single span bridge and $32,648 for a double span bridge; Cotton Macauley Company, of San Francisco, $39,700.

The bridge is to be a single span, about 160 feet in length with a twenty-four-foot driveway and two five-foot walks.

NEWPORT BEACH, Orange Co., Cal.—The U. S. Government Board of Engineers has approved the plans for the improvement of Newport harbor and the L. A. Dredging Co. will now proceed with the dredging of the county's channel. The work will cost about $300,000.

OXNARD, Ventura Co., Cal.—Until 2 P. M., April 27, bids will be received by the Oxnard Drainage District, C. C. Rupert, Secretary, for constructing an ocean outlet for a drainage system, including gate house and for excavating 4½ miles of drainage canal; Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, engineers. Bids received for this work on March 30 were not opened and will be returned to the contractors. This was in accordance with an understanding that the bids would not be opened unless the $200,000 bonds voted by the district for the work were sold No bids were received for the bonds and they will again be offered for sale on April 27, the new date set for receiving construction bids.

## LIGHTING SYSTEMS

SAN BERNARDINO, Cal.—C. W. Sparks, 1127 Orange St., Los Angeles, submitted the lowest bid and was awarded the contract at $39,866.64 for constructing an ornamental lighting system on Third St., between Arrowhead and Mt. Vernon Aves., requiring 118 Marbelite posts and 2½ miles of wiring. Other bids received by the City Council were: F. E. Newbery Electric Co., Los Angeles, $49,296; Field Electric Co., San Bernardino, $49,750. Will L. Brown, City Engineer.

SALINAS, Monterey Co., Cal.—The County Supervisors have instructed the County Engineer to submit estimates of cost at the next meeting of the Board, May 3rd, for the installation of electroliers for the bridge across the Salinas River near King City.

T. P. Joy is County Clerk.

BURLINGAME, San Mateo Co., Cal.—The City Trustees have awarded a contract to the Roberts Manufacturing Co., 663 Mission St., San Francisco, for the installation of electroliers in Main street. Eight standards will be installed at a cost of $100 each.

J. R. Murphy is City Clerk.

## MACHINERY.

ANAHEIM, Orange Co., Cal.—Until 8 P. M., April 22, bids will be received by City Clerk Edward B. Merritt for furnishing one vertical induction type, 4-pole, 50-cycle, 2200-volt electric motor in accordance with specifications on file in the office of the City Clerk. Certified check or bid bond for 10% required.

ANAHEIM, Orange Co., Cal.—Until 8 p. m., April 22, bids will be received by City Clerk Edward B. Merritt, for one truck in accordance with specifications prepared by City Engineer O. E. Steward. Certified check for 10 per cent required.

SAN FRANCISCO—The Board of Public Works, on recommendation of City Engineer M. M. O'Shaughnessy has rejected bids submitted for slide gates for the Hetch-Hetchy project under Contract No. 67 and new bids have been ordered received up to April 21st. The low bid for this work was submitted by the Coffin Valve Co., at $185,000.

Six valves 33"x42" are required under the contract. Specifications may be had from the City Engineer's Office, 3rd Floor, City Hall.

PASADENA, Los Angeles Co., Cal.—Smith-Booth-Usher Co. of Los Angeles, was awarded the contract at $2005 for furnishing a pump for the municipal lighting plant.

LOS ANGELES, Los Angeles Co., Cal.—Until 10 A. M., April 26, bids will be received by Board of Public Works for furnishing and installing a drum dryer at the municipal asphalt plant in accordance with specifications which may be obtained from the City Engineer, Room 405 South City Hall annex. Horace B. Ferris, Secretary.

## SEWERS, STREET WORK & WATER SYSTEMS

PHOENIX, Ariz.—Highway and bridge improvements aggregating $1,096,142 must be started by the State of Arizona by July 1, 1920, in order to secure federal aid funds to that amount. Of this total all but $157,328 has already been matched by State funds. Acting District Engineer E. S. Wheeler of the U. S. Bureau of Public Roads, at Albuquerque, N. M., has just notified State Engineer Thomas Maddock that federal aid funds are available for Arizona at follows: Florence bridge, $65,789.14; Phoenix Tempe, $46,571.41; Holbrook-St. Johns, $18,707.09; Mesa-Superior, $76,718.12; Tempe-Mesa, $105,489; Tucson-Florence, $58,009; Prescott-Jerome, $39,220; Otaman-Gold road, $38,075.95; Agua Fria bridge, $27,485.37; Bisbee-Douglas, $148,540.57; Clifton-Franklin, $105,080.10; Douglas-Rodeo, $56,106.67; Prescott-Jerome, $100,000; C—Benson-Vail, $9,642.23; D—Benson-Vail, $8,443.90; B—Florence-Superior, $34,917.24; Phoenix-Yuma, (not active), $199,926.84.

SACRAMENTO, Cal.—The City Council, M. J. Desmond, City Clerk, has passed resolution of intention No. 1457 providing for the improvement of Santa Barbara Court from J to L streets by constructing concrete curbs, gutters and sidewalks, placing 4 cast iron gutter drains with 6-in vitrified ironstone pipe sewer elbows attached and connecting same with 6-inch vitrified ironstone sewer pipe, constructing 1 concrete manhole with cast iron curb and cover, grading and placing a 4-inch concrete pavement with a bitulithic wearing surface 1½ inches thick.

LONG BEACH, Los Angeles Co., Cal.—Fairchild-Gilmore-Wilton Company, Pacific Electric Bldg., Los Angeles, submitted the only bid and will be awarded the contract at $25,899.02 for paving Fifth street between Maine and Pine avenues, involving 108,964.42 sq. ft. concrete base with sheet asphalt surface at 23c ft., 85 lin. ft. cement curb at 50c ft., 47 sq. ft. concrete gutter at 25c ft., 1010 sq. ft. cement sidewalk at 18 c ft., and culvert at $600. A. de Ruiz, City Engineer.

OCEAN BEACH, San Diego Co., Cal.—At a meeting of property owners the project to pave all the main streets in Ocean Beach was revived. The relative merits and costs of different types of paving were discussed. W. H. Judy, manager of operations, and F. A. Rhodes, city engineer of San Diego, were present and gave assurance that the city would co-operate in the improvements.

CARSON CITY, Nevada—Three bids were submitted to the Nevada State Highway Commission, C. C. Cottrell, State Highway Engineer, for furnishing and delivering cement to the Commission: Henry Cowell Lime & Cement Co., Pacific Portland Cement Co., and Santa Cruz Portland Cement Co.

All bids were $4.09 per barrel f. o. b. Reno, Nevada less $1.00 per barrel credit on sacks returned with a discount for cash in 10 days of 5c per barrel.

MARTINEZ, Contra Costa Co., Cal.—Bids received by the County Supervisors for the construction of the county highway unit from Giant to Richmond have been taken under advisement until the next meeting.

Bids were received as follows:

| | |
|---|---|
| S. C. Rodgers (low) | $69,226.25 |
| L. E. Staniger | 73,710.70 |
| Ransome-Reside Co. | 70,407.74 |
| Pacific Construction Co. | 73,440.10 |
| O'Brien Bros. | 69,350.30 |
| L. L. Page | 77,873.10 |
| R. J. Blanco | 70,931.55 |

R. R. Arnold is County Highway Engineer and J. H. Wells, County Clerk.

LOS GATOS, Santa Clara Co., Cal.—The contract for the construction of sewers and appurtenances, a concrete dam and a reinforced concrete sump covered with a wooden building has been awarded by the City Trustees, Donna M. Winning, City Clerk, to Chambers & De Golyer, Oakland, at $4,849.75. Other bids submitted on the work were:

C. B. Cowden, 1501 Larkin St., San Francisco, $5,970; R. H. Downer, Richmond, Cal., $6,450; Frank Bryant, 286 W-San Carlos St., San Jose, $5,000; T. E. Clinch, 668 9th St., Richmond, Cal., $4,973; A. J. Baron, Los Gatos, for dam and sump only, $3,500.

MARYSVILLE, Yuba Co., Cal.—Plans and specifications prepared by County Engineer L. B. Crook for improvement work in road district No. 10, under the $60,000 appropriation made by the Yuba County Supervisors, have received the approval of the State Highway Commission.

Bids for construction will no doubt be called in the immediate future.

Wm. M. Strief is County Clerk.

ORLAND, Glenn Co., Cal.—In addition to paving other streets the City Trustees have decided upon the improvement of one block of Third street between Colusa and Walker. This action was taken on request of property owners. R. W. Camper is City Clerk.

MONTEREY, Monterey Co., Cal.—The Granite Rock Co., Watsonville, has been awarded contract for the following street improvements by the City Trustees:

Improvement of Reeside Ave. from the northeast line of Lighthouse Ave. to the southwest line of Wave St. and from the northeast line of Wave St. to the east limit of the gradient on Reeside Ave., at the shore line of Monterey Bay. Bid approximately $8,000.

Spence St. from the northeast line of Lighthouse Ave. to the south line of Foam St. and from the north line of Foam St. to the northeast limit of the gradient of Spence St. at the shore line of Monterey Bay. Bid approximately $6,500.

Ocean View Ave. (formerly Ocean Ave.), from the northwest line of David Ave. to the northeast line of Wave St. Bid approximately $46,000.

Wave St. from Reeside Ave. to a point 125 feet northwest to the north line of Spence St. Bid approximately $9,000.

All by grading, constructing concrete curbs and gutters, gravel sidewalks, oil-macadam pavement together with bulkkheads, returns, culverts, etc.

SANTA CRUZ, Santa Cruz Co., Cal.—Following the presentation of a petition by property owners the City Engineer has been instructed by the Council to submit a report on the improvement of Bay street between Continental street and the Bay street viaduct. It is planned to improve the thoroughfare with a concrete pavement. S. A. Evans is City Clerk.

VISALIA, Tulare Co., Cal.—The petition of property owners seeking the improvement of Grape street has been taken under advisement by the City Council.

The petition asks that the street be graded and paved as other streets in the vicinity. Ida Markham is City Clerk.

FRESNO, Fresno Co., Cal.—At the last meeting of the County Supervisors, Chris. P. Jensen, County Highway Engineer, the contract for the Shaw avenue unit of the county highway system, held by the Worswick Construction Company, was transferred to the Federal Construction Co., Call Bldg., San Francisco, owing to objections raised by the bondsmen.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has overruled protests of property owners for the improvement of O street as a part of a district with Butler, East and Hamilton avenues and Pearl street, also Illinois from First street to Ninth and F street from Mono to San Diego.

MONROVIA, Los Angeles Co., Cal.—Until 7:30 P. M., April 19, bids will be received by City Clerk Lewis P. Black for 5000 cu. yds. excavating for 1,000,000 gallon reservoir for city water system.

MONROVIA, Los Angeles Co., Cal.—Until 7:30 P. M., April 19, bids will be received by City Clerk Lewis P. Black for 5640 ft. trenching for pipe line for city water system.

SAN FRANCISCO.—City Engineer M. M. O'Shaughnessy has completed specifications for the construction of a sanitary sewer with overflow structure in Canal street easterly from Mission street and the Board of Public Works has requested the Supervisors to authorize construction of same, estimated cost $5,000.

NAPA, Napa Co., Cal.—Bids will be received by the Napa County Supervisors up to April 20th, 11 a. m., for the reinforcing wire mesh to be used in the construction of county highway from city limits of Napa to Calistoga.

Certified check for 10 per cent payable to Chairman of the Board of Supervisors, required.

James A. Daly is County Clerk.

BERKELEY, Alameda Co., Cal.—Up to April 20th, 10 A. M., bids will be received by A. G. Briggs, City Clerk, for the improvement of Page street from Third street to San Pablo avenue; Ninth street from Virginia to Cedar, and Tenth street from Jones to Camelia by grading, constructing concrete curbs and gutters and macadamized and surfaced with asphaltic road oil; construction of corrugated iron culverts, valley gutters, etc.

Certified check for 10% payable to City of Berkeley required.

CLOVIS, Fresno Co., Cal.—The City Trustees, L. E. Weldon, City Clerk, have instructed the City Attorney to prepare the necessary papers for street improvements. The Trustees are considering including Fourth street across the S. P. to Baron street, Fifth street across the S. P. to the high school and on Fulton street between Fourth and Third streets.

GRIDLEY, Butte Co., Cal.—The City Trustees have awarded a contract to R. H. Downer of Richmond for the construction of Unit "C" of the Sanitary Sewer System. Other bidders were:

J. W. Terrell of Sacramento and T. E. Clinch of Richmond. James Ownby is City Clerk.

BERKELEY, Alameda Co., Cal.—M. M. O'Shaughnessy, City Engineer of San Francisco, has been commissioned by the Berkeley City Council, A. G. Briggs, City Clerk, to collect data relative to valuation of water distributions systems and sources of supply being investigated by the Berkeley City Council with reference to the possible acquisition of a municipal water supply.

To cover the cost of the survey the Council has appropriated $2,500.

SEATTLE, Wash.—The King County Commissioners have awarded a contract to the Ferguson Construction Co., Henry Bldg., Seattle, for hard-surfacing the connecting link in the Bothell-Redmond road, known officially as the Redmond-Hollywood highway.

The bid was $127,425.

OLYMPIA, Wash.—Action on five Highway projects was taken by the State Highway Commission at its last meeting as follows:

Grading and paving two miles of Pacific Highway between Lewis and Thurston County line and Grand Mound. Awarded to E. M. Morgan, of Everett, on a bid of $65,558.

Clearing, grading and surfacing with gravel 1.5 miles of State Road No. 5, from Randle west in Lewis County. Martin Waldson, Spokane, low bidder at $12,500. All bids rejected.

Grading and paving of three miles of Pacific Highway from Marysville north in Snohomish County. Awarded to Independent Asphalt Paving Co., Seattle on bid of $97,583.

Grading, draining and paving of 5.7 miles of Inland Empire Highway between Donald and Buena in Yakima County. Awarded to R. N. Hardy, Yakima, on bid of $223,271.

Clearing, grading and draining about 4 miles of the Olympic Highway in Grays Harbor County, Post Road Project No. 54. Geo. Ford, Elma, low bidder at $54,636. Rejected.

VALLEJO, Solano Co., Cal.—The petition of property owners in Alabama street between the Napa Road and Monterey street has been returned for additional signatures.

The petition asks that the street be paved and curbed.

T. D. Kilkenny is City Clerk.

SACRAMENTO, Cal.—In a communication to the City Commission the Sixteenth Street Improvement Club asks immediate action by the city in the matter of a subway under the B street levee at Sixteenth street. The matter was referred to City Attorney Yell.

M. J. Desmond is City Clerk.

AUBURN, Placer Co., Cal.—Funds are being gathered by the Auburn Commercial Club, A. E. Reynolds, Chairman of the Street Committee, to finance the improvement of the principal streets of the city.

Mary H. Wallace is City Clerk.

SAN JOSE, Santa Clara Co., Cal.—Plans for the widening of the Gilroy Hot Springs road in its narrowest points, have been completed by County Engineer Irving L. Ryder, and will be presented at the next meeting of the County Supervisors for approval.

Henry A. Pfister is County Clerk.

SAN JOSE, Santa Clara Co., Cal.—County Engineer Irving L. Ryder has completed plans and specifications for the new Gest bridge on the Saratoga and Congress Springs road. The structure will be of concrete construction, 200 feet long and 50 feet high.

Henry A. Pfister is County Clerk.

STOCKTON, San Joaquin Co., Cal.—Petitions have been prepared for presentation to the City Council, A. L. Banks, City Clerk, asking the opening up and improvement of Main street in Fair Oaks, also improvement of streets in the Searchlight Addition.

OROVILLE, Butte Co., Cal.—A petition has been presented to the City Council by property owners in Park avenue asking that that thoroughfare be included in the paving program recently decided upon by the City Board. No action was taken.

J. W. Gibson is City Clerk.

OROVILLE, Butte Co., Cal.—Following bids were received by the Oroville City Council, J. W. Gibson, City Clerk, for paving lower Montgomery street, from Fourth avenue to the Marysville road, including excavating, curb, gutter and gutter plate:

| | |
|---|---|
| Chico Construction Co.... | $13,550.60 |
| A. Teichert & Son..... | 15,389.00 |
| Federal Construction Co.. | 15,439.00 |
| McGilvray Constr. Co.... | 18,554.00 |

For paving Robinson street from Lincoln street to the Marysville road, including excavating, curb, gutter, gutter plates and open water way or gutter:

| | |
|---|---|
| Chico Construction Co.... | $38,239.25 |
| Clark & Henery..... | 39,572.30 |
| Federal Construction Co.. | 44,572.00 |
| McGilvray Constr. Co..... | 48,295.50 |

The bids were taken under advisement until April 12th.

SAN LEANDRO, Alameda Co., Cal.—The City Council, J. J. Gill, City Clerk, has awarded a contract to Nunes & Lopes of San Leandro, at $7,052.30 for the construction of a sewer in Peralta avenue. Other bidders were:

W. J. Tobin Co., $7,847.47; Bresse, Burgrine Co., $7,604.30; F. W. Simmel Co., $7,965.08; Fred Meyers, $7,707.90.

NAPA, Napa Co., Cal.—Bids will be received up to 11 a. m., April 20th, by County Clerk James A. Daly for furnishing and delivering corrugated iron culverts for use in highway construction.

Certified check for 10 per cent. payable to Chairman of the Board of Supervisors, required.

SAN BERNARDINO, Cal.—A proposition that the County of San Bernardino guarantee the sale of $100,000 state highway bonds to provide funds for the immediate construction of the Deep Creek cut-off into Bear Valley, was presented to Chairman N. D. Darlington of the California Highway Commission by a delegation of citizens from San Bernardino County. Government engineers have recommended $105,000 federal aid for this project. The Commission will start a survey of the project as soon as weather permits but Mr. Darlington could give no assurance that construction work would be started this year on account of pressing demands for more important highway work.

LOS ANGELES, Cal.—The Supervisors will call for bids soon for paving Sunset avenue between Merced street and Pomona Blvd., near Puente, in Road Improvement District No. 145.

The work will include grading and laying 12,841 lin. ft. 5-in. oil macadam pavement 22 ft. wide, involving the following approximate quantities: 2806 cu. yds. excavation; 12,841 lin. ft. shaping roadbed; 31,733 sq. yds. oil macadam pavement; 480 ft. 18-in. and 60 ft. 24-in. metal pipe culvert, 6 cu. yds. concrete in headwalls. Contractor will furnish 756 bbls. road oil and 6660 tons crushed rock. Average haul on rock from Crushton, 4½ miles; on culvert materials 2¾ miles from Puente. Estimate cost to contractor, $33,843; total estimate cost, $40,591.

OLYMPIA, Wash.—Bids will be received by the Washington State Highway Commission up to 2 P. M., April 26th for the following improvements:

Clearing, grading, draining and surfacing with crushed rock or gravel of 4 miles of State Road No. 22 in Stevens County.

Grading, draining and surfacing with gravel of 4.7 miles of North Central Highway in Grant County.

Clearing, grading, draining and surfacing with crushed rock of 7 miles of Inland Empire Highway in Garfield County.

Clearing, grading, draining and surfacing with crushed rock of 2 miles of State Road No. 2, in Okanogan County.

Clearing, grading, draining and surfacing with crushed gravel of eight-tenths miles of North Bank Highway in Skamania County.

Grading and paving with concrete of 1 miles of Pacific Highway in Snohomish County.

Grading, draining and paving of 1.7 miles of Sunse Highway in Chelan County.

SALINAS, Monterey Co., Cal.—At the last meeting of the City Council, property owners on Harvest street, between South Main and California, the portion proposed to be improved with oil-bound macadam, petitioned to have the plans changed to bitumen with a concrete base. The petition was granted.

The Council has decided to improve Central avenue for its full width from Main to Villa street, a point westerly from Central Park, and in the center, from that point to the city limits. The work will consist of scarifying and resurfacing.

M. B. Keef is City Clerk.

Pacific PIPE

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New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

RICHMOND, Contra Costa Co., Cal.—City Engineer Chapman at the last meeting of the City Council reported that the diagram and assessment plan showing the cost of opening up Roosevelt avenue across the tracks of the S. P. Company was approved. The work will cost approximately $4,388.35.

A. C. Faris is City Clerk.

OROVILLE, Butte Co., Cal.—Notices calling bids for the placing of Warrenite pavement on Upper Montgomery street have been ordered prepared by the City Trustees.

J. W. Gibson is City Clerk.

FAIRFIELD, Solona Co., Cal.—R. B. Blanco, Vallejo, has been awarded a contract by the County Supervisors, G. G. Halliday, County Clerk, for grading and paving a portion of the Vallejo-Napa road (Road No. 85) from the end of the present concrete pavement near Flosden station southerly to a point about one mile north of the limits of the City of Vallejo, in No. 1 Road District on his bid of $25,689. The only other bidder was Bates & Borland of Oakland at $35,980.

MARTINEZ, Contra Costa Co., Cal.—James T. Sayles, of Martinez, submitted the lowest bid to the City Trustees for the improvement of streets in the Frazer Addition, his bid being $34,438, or $54.00 lower than that of the Municipal Improvement Company, the only other bidder.

The bid has been taken under advisement.

C. E. Daley is City Clerk.

MARTINEZ, Contra Costa Co., Cal.—No bids were received by the Contra Costa County Supervisors for the construction of the two subways, constituting a part of the county highway system, and the work has been ordered done under the supervision of County Engineer R. R. Arnold.

One subway is at Pittsburg under the Santa Fe and Southern Pacific tracks, and the other subway is in Rodeo Valley under the Santa Fe tracks.

The cost of the structures will be borne, one-half by the county and the other half by the railroads.

J. H. Wells is County Clerk.

HOLLISTER, San Benito Co., Cal.—The City Trustees have decided to award F. Pellegreno, Hollister, the contract for the construction of a sewer in South street at $2,973. The contract will be signed at the next meeting of the Trustees.

Other bids submitted on the work were:

| | |
|---|---|
| H Gould, 1022 27th St., Sac. | $3,010 |
| Chambers & De Goyler, Oakland | 3,270 |
| John Geary & Sons, 351 12th St., Oakland | 3,900 |

NAPA, Napa Co., Cal.—Bids will be received by James A. Daly, County Clerk, up to 11 a. m., April 20th for putting in place in the county highway between Trubody Station and St. Helena, the necessary corrugated iron culverts, and reinforced concrete box culverts.

Certified check for 10 per cent, payable to Chairman of the Board of Supervisors, required.

MAYFIELD, Santa Clara Co., Cal.—Petitions are being circulated by property owners asking the City Trustees to order the paving of what is known as "Old Mayfield." Should the petition be accepted the city will have a complete network of concrete streets.

Action on the petition is expected on April 26th. S. M. Cuthbertson is City Clerk.

LOS GATOS, Santa Clara Co., Cal.—The City Trustees have extended the time of opening bids from April 5th to April 19th, 5:00 P. M., for the construction of a vitrified pipe sewer, with manholes, Y branches and appurtenances in portions of Santa Cruz Ave., Tait, Wilder, Thurston and Wilson streets and Ashlar avenue.

Donna M. Winning is City Clerk.

REDWOOD CITY, San Mateo Co., Cal.—The County Supervisors, Elizabeth M. Nash, County Clerk, have instructed County Engineer Geo. A. Kneass to prepare plans and specifications for repairing the San Gregorio and Tunitas Glen road.

Bids will be called on completion of plans.

SAN JOSE, Santa Clara Co., Cal—The County Supervisors, Henry A. Pfister, County Clerk have accepted the petition of property owners for the laying out of a new road in District No. 3, from the northerly end of Zanker road to Alviso, a distance of about one and one-half miles. The road is to be fifty feet wide.

Irving L. Ryder is County Engineer.

SALINAS, Monterey Co., Cal.—At the last meeting of the County Supervisors no bids were received for surfacing a portion of the San Lucas-Jolon road, between San Lucas and the Salinas river bridge, and the board directed the county engineer to have the work done by day labor.

T. P. Joy is County Clerk.

SALINAS, Monterey Co., Cal.—T. P. Joy, County Clerk, will receive bids up to May 3rd, 2 P. M., for constructing additional macadam on the Salinas-Monterey Road, between Engineer's Station 319+430 and 728+53, in Road District No. 5.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention No. 20019 N. S., providing for the construction of 8-inch vitrified pipe sewers, 5 concrete manholes with cast iron tops, 6 vitrified pipe lampholes with brick and cast iron tops, Y branches, etc., in portions of Tompkins and Madrone Aves., High, Bayo, Steele and Albert streets.

PENDLETON, Ore.—The City Council has passed resolutions of intention to pave the following streets: Garfield from Jackson to Martin, Lincoln from Jackson to Raley, Mark from Matlock to Bush, Perkins Ave. from Raley to Walters mill race, Logan from Raley to Mark, Jefferson from Martin to Wilson.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors, J. H. Wells, County Clerk, have rejected the only bid submitted for the construction of a macadam road in Bay Point. The bid was submitted by J. A. Kopperud and was considered too high.

R. R. Arnold is County Highway Engineer.

GRIDLEY, Butte Co., Cal.—Up to April 22nd, 2 P. M., bids will be received by the Trustees of the Gridley School District, V. P. Richards, Clerk, for the construction of concrete walks on the grounds of the Woodrow Wilson school building, located on the N. E. ¼ of the N. E. ¼ of Section 1, Township 17 North, Range 2 East, M. D. B. and M.

Certified check of 10% payable to Clerk of the Gridley School District required.

MARTINEZ, Contra Costa Co., Cal.—Property owners in the hill section east of Pine street have approved plans and specifications prepared by City Engineer Farley for paving streets in that section.

The streets are to be paved with unsurfaced corrugated concrete, as many are on heavy grades. All of the streets will be twenty-eight feet in width with the exception of East Main which will be twenty to twenty-four feet. The streets included in the unit to be paved are Main from Pine to Mellus including East Main; Oak, Willow, Ward from Pine to East Main; Green from Pine to Oak; Thompson from Pine to Oak and Mellus from Pine to East Main. The section of Mellus from Oak to East Main will be constructed of waterbound macadam.

C. E. Daley is City Clerk.

STOCKTON, San Joaquin Co., Cal.—Failing to receive bids for improving a portion of East Market street in the Gambetta Addition, the City Council has instructed City Engineer Hogan to proceed with the work, also for the construction of sidewalks and gutters in Lomita Park, in the northwestern portion of the city.

LONG BEACH, Los Angeles Co., Cal. —Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, submitted the only bid for paving Santa Cruz St. between Golden and Wabash Aves., involving 18,783.48 sq. ft. crushed rock with oil and rock screenings surface at 23c ft.; 977.3 lin. ft. cement curb at 60c ft.; 3419.08 sq. ft. cement sidewalk at 20c ft., 1290.2 sq. ft. concrete gutter at 23c ft; 175 ft. house connecting sewers at $832.52 (lump sum) and one culvert at $55. A. de Ruiz, City Engineer.

MONROVIA, Los Angeles Co., Cal.—Until 7:30 P. M., April 19, bids will be received by City Clerk Lewis P. Black for furnishing riveted steel pipe as follows: 2370 ft. 14-in. No. 12 gauge, 2300 ft. 14-in. No. 14 gauge, 970 ft. 6-in. No. 14 gauge with tees and crosses. Also, 140 ft. 26-in. and 375 ft. 16-in. casing with starters f. o. b. Chapman well, 4 miles west of Montrovia, and drilling one well with 140 ft. 26-in. and 235 ft. 16-in. casing at Chapman. Bids will be received at the same time for 5640 ft. of trenching pipe line and 5000 cu. yds. excavation for 1,000,000 gallon reservoir. Certified check for 10% required. Plans and specifications are on file at the office of the City Engineer, H. S. Gierlich, Monrovia.

NAPA, Napa Co., Cal.—Up to April 20th 11 a. m., bids will be received by the Napa County Supervisors, James A. Daly, County Clerk, for the construction of 11½ miles of concrete highway between the town of Rutherford and Lincoln avenue in the town of Calistoga.

Certified check for 10 per cent payable to Chairman of the Board of Supervisors, required.

LOS ANGELES, Cal.—C. C. Crandall, 844 N. Normandie avenue, has contracts for grading and oiling streets and laying water mains in the Glassell Home Acres tract on the Verdugo road north of San Fernando road. The tract contains 95 acres which are being subdivided into ½-acre lots. Andrew Glassell is the owner. Mr. Crandall also has a contract for similar work in the Occidental Garden tract south of York Blvd. This comprises 172 acres owned by the Glassell Development Co. These tracts were laid out by the Engineering Service Co., 1316 Washington Bldg., which has supervision of the work.

LOS ANGELES, Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., submitted the lowest bid at approximately $100,000 for improving Seaside Ave. between Samples Place and Altoona Place and portions of other streets on Terminal Island, Los Angeles harbor, involving approximately 50,000 cu. yds. fill, for which lump sum bid was taken, 136,056 sq. ft. protected concrete pavement 5 in. thick, and 90,739 sq. ft. finishing grade and oiling. Bryant & Austin, Inc., submitted the only other bid at approximately $112,-200. Following are the bids received:

Fairchild-Gilmore-Wilton Co.—$43,-300 lump sum for grading; 37c sq. ft. for protected concrete paving; 7c sq. ft. for finishing grade, oiling and rolling.

Bryant & Austin, Inc.—$51,000 grading; 40c sq. ft. paving; 7½c sq ft. finishing grade, oiling and rolling

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded contracts for street improvements as follows:

To Ransome-Randle Co., 28th and Poplar streets, Oakland, improvement of Fourth street, from Clay to Jefferson, by grading, constructing concrete curbs and brick gutters, and paved with asphalt.

To Hutchinson Co., 444 17th street, Oakland, improvement of 30th street, from 23rd to 21st avenue, as it exists between East 29th and East 30th streets, by grading, constructing concrete curbs and gutters and paved with oil macadam, including corrugated iron and concrete culvert.

To Bates & Borland, Oakland Bank of Savings Bldg., Oakland, improvement of a portion of Mantana street, by grading, constructing concrete curbs gutters and paving with oil macadam.

SAN DIEGO, Cal.—Until 3 P. M., April 20, bids will be received by supervisors of San Diego County for paving approximately 6 miles of county highway from the end of the paving at Camp Kearny over the Poway hills to connect with the main road at Escondido. This is the first section of the roads to be built under the $2,300,000 county bond issue. R. M. Morton is the highway engineer.

FLAGSTAFF, Ariz.—Until 2 P. M., May 3, bids will be received by State Engineer Thomas Maddock at office of common council, Flagstaff, for improving the portion of the state highway in the town of Flagstaff, involving 5000 cu. yds. excavation, 15,000 sq. yds. paving, one 30-ft. span reinforced concrete bridge and incidental work. Alternate bids will be taken on a one-course concrete pavement, bitulithic on a cement concrete base and a modified Topeka surface on cement concrete base. Plans and specifications may be obtained from state engineer at Phoenix on deposit of $5.

PETALUMA, Sonoma Co., Cal.—The City Council has approved plans and specifications prepared by Engineers Howes & Peters, 24 California street, San Francisco, for widening Main streets from the Mystic Theatre to Prospect street. The work will consist of cutting down the sidewalks, etc.

City Engineer Frost was instructed by the Council to submit plans for sewer work in Main street from Oak street for a distance of 308 feet north. It is planned to have this work done as soon as possible.

Plans of City Engineer Frost for the construction of 512 ft. of sewer in Third street from Mt. View avenue, north, were approved. This work will be done by J. B. Silva, who has a contract with the property owners.

Lyman Green is City Clerk.

LOS ANGELES, Los Angeles Co., Cal. —John Hayes, 1176 W. 30th St., signed the contract on April 2, 1920, for constructing the Second St. tunnel at his bid, $995,773.21, submitted to the board of public works on March 11, 1918. The contract was awarded on March 18, 1918, and the interim has been occupied in litigation instituted to settle questions affecting the legality of the proceedings. Mr. Hayes' sureties are James Hill, Daniel Murphy and Susanna Land Co., a corporation. Mr. Hayes is consulting an attorney to determine if it advisable to proceed with the construction work in advance of collecting the assessments, the proceedings being under the Improvement Act of 1913. The tunnel will be a single bore extending from Hill to Flower street, a distance of 1602 ft., and will be masonry construction lined with tile. The contract includes the following: Tunnel, including stairway, complete, $946,496; grading in Second St. from Hill St. to east portal of tunnel and from west portal to Figueroa St., $25,-846; 37,694.28 sq. ft. of grading for all repavement except above, at 11c sq. ft.; 47,347.44 sq. ft. asphalt repavement at 9½c sq. ft.; 102 sq. ft. granite block repavement at 41.7c sq. ft.; 12 sq. ft. vitrified brick repavement at 39c sq. ft.; 1,836.30 sq. ft. asphalt resurfacting, including grading, at 10.9c sq. ft.; 42 sq. ft. asphalt pavement including paving, at 19.7c sq. ft.; 3198.52 lin. ft. cement curb at 36.3c lin. ft.; 148.98 lin. ft. granite curb at $1.57½ lin. ft.; 26,306.15 sq. ft. cement sidewalk at 11.4c sq. ft.; 3341.74 sq. ft. granite block gutter at 41.7c sq. ft.; $746 for storm sewers, catchbasins, etc; $7997 for sanitary sewers.

TUCON, Ariz.—Until 2 P. M., May 3, bids will be received by State Engineer Thomas Maddock at the office of the Supervisors of Pima County, Tucson, Ariz., for constructing Sec. C, Benson-Vail highway, federal aid project No. 18, involving 18,500 cu. yds. excavation, 317 cu. yds. concrete and incidental work. Certified check for 5% required. Plans and specifications may be obtained from the State Engineer at Phoenix, on deposit of $5.

LOS ANGELES, Los Angeles Co., Cal. —McCray Contracting Co., American Bank Bldg., has a contract to grade and oil streets in the Culver Garden tract at Culver City. The tract contains 60 acres and the work involves about 200,000 sq. ft. grading and oiling, 18,700 lin. ft. cement curb and 77,350 sq. ft. cement sidewalk. The Adams Pipe Works has the contract for the extension of the mains of the Palms Water Company. The tract was laid out by the Engineering Service Company, 1316 Washington Bldg., which has supervision of the work.

LOS ANGELES, Cal.—Plans and specifications for paving Alameda St. (Harbor Truck Blvd.) between Compton and Wilmington, in Road Improvement District No. 164, are being prepared in the county road department. This project is 5.8 miles in length. A concrete pavement 8 in. thick and 24 ft. wide will be laid on a 6-in. disintegrated granite base. There will be 8 ft. disintegrated granite shoulders on each side.

Plans and specifications are also being prepared for paving Florence Ave. between Huntington Park and Wright road in Road Improvement District No. 165, and for paving 7th avenue, near Puente, in Road Improvement District No. 166

## RAILROADS

Ready for Figures

ENGINE HOUSES Cost, $50,000 each

CALIFORNIA. Indio, Riverside Co. & Mojave, Kern Co.

Two one-story reinforced concrete engine houses.

Owner—Southern Pacific Company.

Architect—Eng. Dept. of Owner. (J. H. Christie in charge), S. P. Bldg., San Francisco.

Figures will be taken for general contracts and will be ready Thursday.

TURLOCK, Stanislaus Co., Cal.—In a preliminary report to the Directors of the Turlock Irrigation District, A. J. Wiley, expert engineer of Boise, Idaho, recently employed by the District as Consulting Engineer on the Don Pedro project, recommends the construction of a railroad from Hickman to La Grange, a distance of 20 miles, at a cost of $7000 a mile, would be the most feasible and inexpensive plan for hauling material to the Don Pedro reservoir site for construction of the big dam.

The report claims that a saving of $228,700 can be made by constructing a line from Hickman to La Grange and using auto trucks to transport the cement, gravel, crushed rock and cobbles from La Grange to the dam site. The building of a line of eight miles from Rosasco on the Sierra Railway to the reservoir site would cost $56,000, the report states, and it would cost $282,000 freight on 45,000 tons of cement over the Sierra lines, making a total of $338,000, whereas it would cost but $285,200 to build a line from Hickman to La Grange and haul the cement to the dam site by auto truck.

An early decision on the report is expected as it is planned to have the contract for the dam let by July 1st.

HANFORD, Kings Co., Cal.—Surveys have been completed and rights-of-way secured for a 12-mile extension to the railroad feeder line of the Corcoran section, known as Kings Lake Shore Line, according to announcement of Charles King of Hanford.

The cost of this extension, the second link in the proposed extension of the line into Kern County, will be in the neighborhood of $250,000, or about $21,000 a mile.

King hopes to have the work under construction within ninety days.

CULVER CITY, Los Angeles Co., Cal. The California County Golf Club, whose grounds are located at Culver City, is installing a complete water system of its own and providing an independent water supply. The grounds to be irrigated comprise about 104 acres. Water will be obtained from a well on the grounds which will be equipped with modern deep-well pumping machinery. About 4 miles of distributing pipe is being laid, a concrete-lined reservoir of 500,000 gallons capacity is being constructed for a reserve water supply and a high pressure fire pump and fire lines are being installed for water supply and protection of the club house. The Engineering Service Co., Washington Bldg., Los Angeles, is designing and supervising the construction of the water system. H. H. Culver is president of the California County Golf Club.

# Official Proposals.

### BIDS WANTED FOR KITCHEN EQUIPMENT.

Your attention is invited to the fact that proposals will be opened in the near future on drawings and specifications No. 4097, covering Kitchen Equipment for six Barracks Buildings, Marine Corps Base, San Diego, California.

The drawings and specifications may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, 12th Naval District, Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The six kitchens are to be provided with modern and adequate equipment, which is to be properly installed and connected to steam, gas, vent, water, waste and drip services.

The estimated cost is $22,000.00.

Yours truly,
R. L. MORTON,
Lieutenant Commander (CEC), U. S. N. By direction of the Public Works Officer.

### BIDS WANTED FOR MEMORIAL BUILDING.

### NOTICE TO BIDDERS.

NOTICE is hereby given that the Board of Capitol Commissioners, Carson City, Nevada, will receive bids for the following items in the construction for a "Heroes Memorial" Building at Carson City, Nevada, according to official plans and specifications on file with said Commission and the State Architect's Office, Reno Nevada, viz:

1. General construction
2. Plumbing and heating.
3. Oil equipment.

The Drawings and specifications may be secured at the office of F. J. De Longchamps, State Architect, 334 Gazette Building, Reno, Nevada.

A deposit of $10.00 will be required for each set of drawings and specifications taken from the Architect's Office.

Bids will be received at the office of the Secretary of Board of Capitol Commissioners, Carson City, Nevada, not later than **10 A. M., on April 19, 1920.**

All bids shall be sealed in opaque envelope and addressed to Board of Capitol Commissioners, Carson City, Nevada, and marked "Bids for Heroes Memorial Building." Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the amount of the bid.

The Board of Capitol Commissioners reserves the right to accept or reject any or all bids.

Authorized this 16th day of March, 1920, by the Board of Capitol Commissioners, Carson City, Nevada.

HOMER MOONEY,
Clerk of Board of Capitol Commissioners.

### BIDS WANTED FOR HOSPITAL BUILDING.

### NOTICE TO CONTRACTORS.

Office of the Clerk of the Board of Supervisors of the County of Sacramento, State of California.

Pursuant to an order of the Board of Supervisors of the County of Sacramento, made and entered on record on the 18th day of March, A. D. 1920.

Notice is hereby given that sealed bids will be received by the undersigned up to and not later than the **hour of two P. M., of the 3rd day of May, 1920,** at the office of said Board in the Court House building, 7th and I Streets, Sacramento City, for the furnishing of all labor, materials and mechanical workmanship necessary for the construction of a Service and Children's Ward Building on the present County Hospital Grounds, City of Sacramento, County of Sacramento, State of California, in accordance with the plans and specifications prepared therefor by R. A. Herold, Architect, and adopted by the Board of Supervisors of the County of Sacramento, which plans and specifications may be seen and examined, during office hours, by intending bidders, at the architect's office, rooms 430-37 Forum Building, Sacramento, California.

All bids must be submitted on blank forms furnished by the Clerk of the Board, and must be accompanied with a certified check on some solvent bank, in a sum equal to ten per cent (10%) of the amount of each bid, conditioned that if the contract is awarded the party submitting the accepted bid will enter into contract and furnish such bond as may be required within ten days after making award, or, failing so to do, the amount of such check to be forfeited as liquidated damages for such failure. All checks to be made payable to the order of the Chairman of the Board of Supervisors of Sacramento County.

The Board reserves the right to reject any or all bids.

By order of the Board of Supervisors of Sacramento County, California.

Attest (Seal) HARRY W. HALL,
County Clerk and ex-officio Clerk of the Board of Supervisors of Sacramento County, California.

By F. M. Lampert, Deputy Clerk.

Dated, April 6th, 1920.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 3, 1920,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Tehama County, between Red Bluff and Northerly Boundary (II-Teh-3-C), about 13.6 miles in length to be paved with Portland cement concrete.

Placer County, between Auburn and Northerly Boundary (III-Pla-17-C) about 6.6 miles in length to be paved with Portland cement concrete.

Amador County, between Ione and Jackson (III-Ama-34-B), about 10.7 miles in length to be graded.

Imperial County, between Tule Wash and Gravel Wash (VII-Imp-26-D) about 6.5 miles in length to be paved with Portland cement concrete.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated, April 5, 1920.

### BIDS WANTED FOR ALTERATIONS AND ADDITIONS TO OFFICERS' QUARTERS.

SEALED PROPOSALS, indorsed "Proposals for Alterations and Additions to Marine Officers' Quarters No. 1, Navy Yard, Mare Island, California, Specification No. 4134," will be received at the Navy Yard, Mare Island, California, **until 11 o'clock A. M., April 21st, 1920,** and then and there publicly opened, for making an addition of approximately 30-ft. 6 inches in width and 22-ft. 8 inches in length, two stories high to the two-story quarters with a porch and porte-cochere and

approach driveway. In this connection it will be necessary to take out certain windows and doors with their frames from the existing east wall and replace same with new doors and frames connecting the existing rooms to the additional ones. Work in connection with the addition will consist of furnishing and installing concrete foundations, wood frame underpinning, floor joists, sub floors, hardwood floors, deadening, wood frame or stud exterior walls, interior partitions, interior lath, plaster and trim, exterior metal lath and plaster, tin roof on wood framing and sheathing, plumbing fixtures, and attendant sewer and piping connections, roof drainage, etc., and the furnishing and installing of all necessary sash and frames, doors and frames, interior and exterior trim, cornice work balustrades, porches, porch floors, columns, stairs, etc., together with the attendant painting, tinting, etc. The furnishing and installing of all electric lighting fixtures, switches, etc., and their wiring and connection to the existing system. The furnishing and installing of all radiators, valves, piping, etc., and their connection to the existing system. The furnishing of all materials and equipment necessary to construct an approach driveway or road connecting the existing road with the new porte-cochere. Drawings and Specifications No. 4134 may be obtained on application to the Commandant, Navy Yard, Mare Island, Cal. Deposit of a check or postal money order for Ten Dollars payable to the Chief of the Bureau of Yards and Docks is required as security for the safe return of the drawings and specifications within five days after the award of the contract.

E. L. BEACH, Commandant.
April 1, 1920.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned **until 2 o'clock P. M., April 26, 1920,** for constructing the following sections of the State Highway System of Nevada:

State Highway in Washoe County from Washoe Summit to Bowers Mansion, 4.69 miles. Work consists of grading, installation of drainage structures and concrete pavement 15 feet wide 6 inches thick.

State Highway in Ormsby County from Lakeview Summit to a point 1.85 miles south thereof. Work consists of grading and installation of drainage structures.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the County Clerk's office in Reno and Carson City. Cash deposit of $15.00 with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids MUST be on proposal form of Highway Department and accompanied by a certified check in an amount of 5% of the bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### NOTICE TO CONTRACTORS.

Attention is invited to the fact that proposals will be opened in the near future for the following work:

Drawings and specification No. 4114, covering Laundry, Bakery, and Refrigerating Plant, Industrial Building, Marine Barracks, Naval Base, San Diego, California.

The drawings and specification may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., to the Commandant, Twelfth Naval District, No. 417 Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. Navy, Timken Building, San Diego, California, by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The laundry equipment will consist of motor driven washers, extractors and tumblers, dry rooms, and electrically operated ironers and shapers and other accessories pertaining to a modern laundry. The Government will furnish some of this equipment, which will be installed by the contractor. The bakery equipment will consist of electric ovens, motor driven dough and cake mixers, dough molder, proofer divider, rounder, and other accessories necessary to equip an efficient bakery. The ice making and refrigerating plant will consist of duplicate, motor driven compressors, brine circulating pumps, an ammonia condenser, brine cooler, freezing tank, and other apparatus pertaining to a raw-water ice making plant, together with refrigerating equipment for the storage rooms. Included also as a part of the refrigerating equipment will be the meat tracks and hangers, and the insulation of the storage rooms. Connections are to be made to the electric, steam, return, waste, and water services.

The estimated cost is $55,000.00.

LEONARD M. COX,
Commander, C. E. C., U. S. Navy, Public Works Officer. (tf)

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned **until 2 o'clock P. M., April 19, 1920,** for the erection of two Pratt truss highway spans with timber trestle approach and control wier complete over the Virgin River near Bunkerville in Clark County, Nevada.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the county clerk's office in Las Vegas. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL.
State Highway Engineer.
Carson City, Nevada.

### BIDS CALLED FOR EXTENSION TO BUILDINGS AT GUAM.

Drawings and Specification No. 4141 covering Extensions to Power Houses, Pump House, Blower House and Quarters, Naval Station, Guam, M. I.

Attention is invited to the fact that proposals will be opened on the work mentioned above in the near future.

The drawings and specification may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, Navy Yard, Mare Island, Calif., by placing a deposit of twenty dollars ($20.00) as security for their safe return within five days after the award of the contract.

The power house extension at Agana will have concrete foundations and floor, steel frame, exterior walls and roof of galvanized corrugated steel, steel sash and metal covered doors. The extension to the power house at the Radio Station will have concrete frame, concrete walls, composition roofing and steel sash. The quarters will have concrete frame, metal lath and cement mortar walls, composition roofing, wood sash and doors, wood floor and interior finish. The pump house and the blower house will be similar to the extension to the power house at the Radio Station.

The estimated cost is $50,000.00.

R. L. MARTIN.
Lieut. Commander, (CEC), USN.,
By direction of Public Works Officer.

### NOTICE TO CONTRACTORS.

BIDS for the construction of Chico High School in accordance with plans and specifications of Woollett & Lamb, Physicians' Building, Sacramento, are being called for.

Bids are to be filed prior to **seven P. M. April 23rd, 1920.** Certified check payable to the President of Chico High School Board, amounting to five per cent of proposal must accompany bid.

CHAS. H. CAMPER,
Clerk, Chico High School District.

### BIDS WANTED FOR MEMORIAL BUILDING.

### NOTICE TO BIDDERS.

NOTICE is hereby given that the Board of Capitol Commissioners, Carson City, Nevada, will receive bids for the following items in the construction for a "Heroes Memorial" Building at Carson City, Nevada, according to official plans and specifications on file with said Commission and the State Architect's Office, Reno Nevada, viz:

1. General construction.
2. Plumbing and heating.
3. Oil equipment.

The Drawings and specifications may be secured at the office of F. J. De Longchamps, State Architect, 334 Gazette Building, Reno, Nevada.

A deposit of $10.00 will be required for each set of drawings and specifications taken from the Architect's Office.

Bids will be received at the office of the Secretary of Board of Capitol Commissioners, Carson City, Nevada, not later than **10 A. M., on April 19, 1920.**

All bids shall be sealed in opaque envelope and addressed to Board of Capitol Commissioners, Carson City, Nevada, and marked "Bids for Heroes Memorial Building." Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the amount of the bid.

The Board of Capitol Commissioners reserves the right to accept or reject any or all bids.

Authorized this 16th day of March, 1920, by the Board of Capitol Commissioners, Carson City, Nevada.

HOMER MOONEY,
Clerk of Board of Capitol Commissioners.

### IRON FENCE CONSTRUCTION RECOMMENDED.

FRESNO, Fresno Co., Cal.—Petitions were presented at the last meeting of the City Council urging the construction of an iron fence along Dry Creek as a safeguard for the protection of children. Estimates submitted showed that such a structure would cost between $2,000 and $3,000. No action was taken. Chas. Dillon is City Clerk.

### STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUNST 24, 1912, of

BUILDING AND ENGINEERING NEWS, published weekly at San Francisco, Cal., for April 1st, 1920.

Before me, a Notary Public in and for the State and county aforesaid, personally appeared L. A. Larsen, who, having been duly sworn according to law, deposes and says that he is the publisher of the BUILDING AND ENGINEERING NEWS, and that the following is to the best of his knowledege and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations,

That the names and addresses of the publisher, editor, managing editor, and business managers are:

Publisher, L. A. Larsen, 560 Mission street, San Francisco.

Editor, L. A. Larson, 560 Mission street, San Francisco.

Managing Editor, J. P. Farrell, 560 Mission street, San Francisco.

Business Manager, L. A. Larsen, 560 Mission street, San Francisco.

Owner, L. A. Larsen, 560 Mission street, San Francisco.

That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: None.

Sworn to and subscribed before me this 12th day of April, 1920.

[SEAL] CHALMER MUNDAY,
Notary Public in and for the County of San Francisco, State of California.
(My commission expires Oct. 18, 1921.)

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 866 | Anderson | Owner | 12000 |
| 867 | Faut | Krassas | 500 |
| 868 | Montgomery | Owner | 4000 |
| 869 | Mon Hing | Burnside | 900 |
| 870 | Foster | Owner | 1250 |
| 871 | Luckbee | Swenson | 800 |
| 872 | Thomson | Urfer | 850 |
| 873 | Seeba | Steinauer | 3000 |
| 874 | Upton | American | 10000 |
| 875 | Bokerman | Dennis | 600 |
| 876 | Boardman | Haun | 500 |
| 877 | Foster | Owner | 1500 |
| 878 | Yee | Filippis | 3785 |
| 879 | De Golia | Cahill | 5200 |
| 880 | Correll | Reedy | 10550 |
| 881 | Schaller | Carlson | 1339 |
| 882 | Olson | Olsen | 10400 |
| 883 | Barnes | Barnes | 16000 |
| 884 | Bauer | Bauer | 4750 |
| 885 | Williams | Williams | 20000 |
| 886 | Friedlander | Savage | 3900 |
| 887 | Pac Hebrew | City Coal | 3000 |
| 886 | Boardman | Black | 750 |
| 888 | Majestic | Moller | 700 |
| 889 | Steiger | Owner | 575 |
| 890 | San Martine | Del Carlo | 1432 |
| 891 | Musin | Owner | 750 |
| 892 | Myers | Britt | 6000 |
| 893 | Associated | Barrett | 2000 |
| 894 | Lurie | Barrett | 18000 |
| 895 | Green | Fennell | 690 |
| 896 | Mohr | Munster | 13226 |
| 897 | Jonas | Unit | 13385 |
| 898 | Met. Life | Turner | 22168 |
| 899 | Andersen | Andersen | 50000 |
| 900 | Yee | Filippis | 3785 |
| 901 | Hueter | Amer. Conc | 9943 |
| 902 | United Cigar | Brown | 4000 |
| 903 | McKeon | Marsden | 500 |
| 904 | Musto | Owner | 500 |
| 905 | Fricke | Owner | 15000 |
| 906 | Infants' Shelter | Owner | 4000 |
| 907 | Eaton | Lapham | 500 |
| 908 | Bologna | Owner | 500 |
| 909 | Bekin | Hogberg | 2200 |
| 910 | Orris | Owner | 500 |
| 911 | Koehler | Jacoby | 500 |
| 912 | Howard | Arras | 12950 |
| 913 | Glickfeld | Spargo | 19650 |
| 914 | Bank of Italy | Standard | 22000 |
| 915 | Lagau | Nyman | 800 |
| 916 | Donata | Donati | 500 |
| 917 | Nelson | Hamerton | 16000 |
| 918 | Simmen | Owner | 6000 |
| 919 | Steiger | Owner | 500 |
| 920 | Commercial | Moller | 6468 |
| 921 | Crocker | Samuelson | 11400 |
| 922 | Parish | Jensen | 2135 |
| 923 | Umbsen | Bergren | 600 |
| 924 | Shrader | Jessiman | 4500 |
| 925 | Foran | Grieb | 1250 |
| 926 | Shell | Gutleben | 900 |
| 927 | Claenly | Owner | 500 |
| 928 | Drexler | Mission | 78864 |
| 929 | Nelson | Hamerton | 16000 |
| 930 | Yore | Owner | 500 |
| 931 | Joseph | Owner | 500 |
| 932 | Darrell | Andersen | 500 |
| 933 | Skinner | Owner | 1000 |
| 934 | Pig'n Whistle | Gough | 2000 |
| 935 | Com. Un Assrn. | Williams | 34125 |
| 936 | Howard | Arras | 12950 |
| 937 | Eisner | Keenan | 1500 |
| 938 | Cowell | Vogt | 4357 |
| 939 | Cowell B. C. | Van Emon | 2250 |
| 940 | Biggins | Arras | 13300 |
| 941 | Hamill | Owner | 4000 |
| 942 | Gibson | Owner | 4000 |
| 943 | Gibson | Owner | 16000 |
| 944 | Kruse | Brumfield | 500 |
| 945 | Muller | Muller | 500 |
| 946 | Allen | Hamill | 36000 |
| 947 | Hinz | Owner | 1000 |
| 948 | Hamburger | Gillmour | 1200 |
| 949 | Burbank | Wegner | 3200 |
| 950 | Mathes | Matthies | 995 |
| 951 | Cortopassi | Matthies | 1091 |
| 952 | O'Neil | Matthies | 1233 |
| 953 | Schroeder | Matthies | 1156 |
| 954 | Bullwinkle | Matthies | 1313 |
| 955 | Britt | Matthies | 1975 |
| 956 | Sagehorn | Matthies | 915 |
| 957 | Newbauer | Matthies | 988 |
| 958 | Davies | Matthies | 634 |
| 959 | Bastian | Matthies | 631 |
| 960 | Kelleher | Matthies | 799 |
| 961 | McCarthy | Matthies | 748 |
| 962 | Gibson | Owner | 16000 |
| 963 | Johnson | Owner | 5800 |
| 964 | Heyman | Owner | 30000 |
| 965 | Andersen | Andersen | 5000 |
| 966 | Andersen | Andersen | 6000 |
| 967 | Andersen | Andersen | 12000 |
| 968 | Andersen | Andersen | 7000 |
| 969 | Andersen | Andersen | 7000 |
| 970 | Andersen | Andersen | 5000 |
| 971 | Andersen | Andersen | 15000 |
| 972 | Allred | Owner | 8000 |
| 973 | Allred | Owner | 4000 |
| 974 | Allred | Owner | 8000 |
| 975 | Allred | Owner | 4000 |
| 976 | Pac. Un. Club | Ehrhart | 10000 |
| 977 | Pincus | Nelson | 54000 |
| 978 | McDonnell | Cameron | 14975 |

FRAME FLATS
(866) NW FIFTEENTH AVE AND Fulton. Two-story and basement frame (4) flats.
Owner—A. V. Anderson, 525 25th Ave San Francisco.
Architect—None.
Day's work. COST, $12,000

ALTERATIONS
(867) NO. 616 KEARNY. Repair front and make interior alterations for restaurant.
Lessee—Strat Faut. Premises.
Architect—None.
Contractor—Nick Krassas, 345 Third St., San Francisco.
COST, $500

ALTERATIONS
(868) SE MONTGOMERY & WASHington. General alterations and changes for wholesale drug store.
Owner—Montgomery Block Real Est. Associates, Montgomery Blk. Bldg., San Francisco.
Architect—Italo Zanolini, 604 Montgomery St., San Francisco.
COST, $4000

ALTERATIONS
(869) NO. 2276 MISSION. Construct balcony in store; dress show cases; windows, etc.
Owner—Mon Hing Co., Premises.
Architect—None.
Contractor—M. G. Burnside, 16th and Market Sts. (Dolores Apts.), San Francisco.
COST, $900

ELECTRIC SIGNS
(870) NO. 930 VAN NESS AVE. Erect two signs 50' long by 12' 6" high.
Owner—Foster & Kleiser Co., 273 Valencia St., San Francisco.
Architect—None.
Day's work. COST, $1250

ALTERATIONS
(871) SW McALLISTER AND LAGUNA Remove present saloon front; new front; show windows, etc., for store.
Owner—Buckbee, Thorne Co., 151 Sutter St., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma St., San Francisco.
COST, $800

REPAIRS
(872) NO. 698 NINETEENTH AVE Repair fire damage to dwelling.
Owner—J. W. Thomson. Premises.
Architect—None.
Contractor—Chas. E. Urfer, 134 Halleck St., San Francisco.
COST, $850

ALTERATIONS
(873) NO. 2609 POST ST. General alterations and minor additions for residence, cement work, etc.
Owner—Henry Seeba.
Architect—A. W. Richardson, 911½ Church St., San Francisco.
Contractor—G. Steinauer, 3926-A Sacramento St., San Francisco.
COST, $3000

FOUNDATION
(874) NE VALLEJO AND BAKER. Construct foundations only for two-story and basement frame residence.
Owner—E. L. Hueter, 972 Bush St., San Francisco.
Architect—Louis M. Upton and Milton Latham, 454 Montgomery, S. F.
Contractor—American Concrete Co., 785 Market St., San Francisco.
COST, $10,000

ADDITION
(875) NO. 428 TWENTY-SECOND AV. Add three rooms to present residence
Owner—Miss Lizzie Bokerman, Prem.
Architect—None.
Contractor—S. Dennis, 779 14th St., San Francisco.
COST, $600

ALTERATIONS
(876) NO. 1928 VALEJO. Reconstruct brick and concrete driveway, cement portion of basement floor.
Owner—George Boardman, 28 Montgomery St., San Francisco.
Architect—None.
Contractor—C. C. W. Haun, 180 Jessie St., San Francisco.
COST, $500

SIGN
(877) GORE COR. EDDY & MARKET. Erect sign 50' long 30' high on roof.
Owner—Foster & Kleiser Co., 273 Valencia St., San Francisco.
Architect—None.
Day's work. COST, $1500

ALTERATIONS
(878) SE GRANT AVE & WASHINGton. Alterations and changes for studio.
Owner—Yee Wing, 816 Grant Ave., San Francisco.
Architect—None.
Contractor—V. Filippis, 1526 Powell St., San Francisco.
COST, $3785

ALTERATIONS
(879) NE POLK AND SUTTER. Alter front and re-arrange interior partitions for restaurant.
Owner—E. B. De Golia, 460 Montgomery St., San Francisco.
Architect—John H. Powers, 460 Montgomery St., San Francisco.
Contractor—Cahill Vensano Co., 110 Sutter St., San Francisco.
COST, $5200

STORE AND FLAT
(880) SW HARTFORD & EIGHTENTH One-story and basement frame store and flat.
Owner—Ira and May Correll.
Architect—None.
Contractor—Wm. M. Reedy, 267 Ellsworth St., San Francisco.
COST, $10,550

#### RECORDED

ELECTRIC WORK
(881) LOT 73 Sbdvn No. 1, Sea Cliff. Electrical lighting except fixtures, bell wiring and telephone work for residence.
Owner—W. F. Schaller, 909 Hyde St., San Francisco.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Jos. M. Carlson, 500 Van Ness Ave., San Francisco.
Filed Apr. 5, '20. Dated Apr. 2, '20.
On 15th and 30th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $1339
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

BUNGALOWS
(882) LOTS 7 AND 8 BLK 3173 Westwood Park. All work for two one-story and basement frame bungalows
Owner—Amanda A. Olson, 68 Santa Ynez Ave., San Francisco.

Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olsen, 68 Santa Ynez Ave., San Francisco.
Filed Apr. 5, '20. Dated Mar. 18, '20.
Frames up and enclosed.....$2600
Brown coated ..... 2600
Completed and accepted..... 2600
Usual 35 days..... 2600
TOTAL COST, $10,400
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLINGS
(883) E FAXON AVE 26 N from N line Lot 27 S 53 S 76 deg. 13 min. 40 sec. E 93.800 N 42.885 N 70 deg. 01 min. 50 sec. W 93.282 Ptn Lots 27 and 28 Blk 3166 Westwood Park. E Faxon Ave and S line Lot 26 N 53 SE 93.8 S 42.826 NW 94.334 Lot 26 and Ptn Lot 27 Blk 3166, Westwood Park. All work for two one-story and basement frame dwellings and garages.
Owner—Frank C. Barnes, — Miramar Ave., San Francisco.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—L. R. Barnes.
Filed Apr. 5, '20. Dated Mar. 19, '20.
Frames up and enclosed.....$4000
Brown coated ..... 4000
Completed and accepted..... 4000
Usual 35 days..... 4000
TOTAL COST, $16,000
Bond, none. Limit, 90 days after Mar. 19th. Forfeit, none. Plans and specifications filed.

RESIDENCE
(884) LOT 15, BLK 3173, WESTWOOD Park. All work for a one-story and basement frame residence.
Owner—Lucy A. Bauer and Arthur Quinn, 2506 23rd Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny, San Francisco.
Contractor—Louis A. Bauer, 2506 23rd Ave., San Francisco.
Filed April 5, '20. Dated March 22, '20.
Building up and enclosed ...$1187.50
Brown coated ..... 1187.50
Completed and accepted .... 1187.50
Usual 35 days ..... 1187.50
TOTAL COST, $4750.00
Bond, $2375. Sureties, Louise Bauer. Forfeit, none. Limit, 90 days. Plans and specifications filed.
NOTE: Permit reported March 26, 1920, No. 777.

BUNGALOWS
(885) LOTS 2, 3, 4, 5 AND 6, BLOCK 3190, Westwood Park. Five one-story and basement bungalows.
Owner—Isabella S. Williams, 4338 View St., Oakland.
Architect—None.
Contractor—Chas. C. Williams, 503 Syndicate Bldg., Oakland.
Filed April 5, '20. Dated April 2, '20.
Frame up and enclosed .....$5,000
Brown coated, ext. & int..... 5,000
Completed and accepted ..... 5,000
Usual 35 days ..... 5,000
TOTAL COST, $20,000
Bond, Sureties, Forfeit, none. Limit, 90 days after April 2nd. Plans and specifications filed.

ALTERATIONS
(886) NO. 550 MARKET ST. Alterations to store.
Owner—Friedlander & Houston, Russ Bldg., San Francisco.
Architect—C. O. Claussen, Hearst Bldg., San Francisco.
Contractor—W. A. Savage, 346 23rd Ave., San Francisco.
Filed April 5, '20. Dated April 3, '20.
Completed .....$2925
Usual 35 days ..... 975
TOTAL COST, $3900
Bond, Sureties, Forfeit, none. Limit, 30 days. Plans and specifications filed.
NOTE: Permit also applied for today.

CLEARING
(887) BDED ON S BY OCEAN AVE. E by Faxon Ave. extended, W by Ashton Ave. and extending north from Ocean Ave an average of 1100 Removal of stumps and trees from roadway and play grounds.
Owner—Pacific Hebrew Orphan Asylum and Home Society, 436 O'Farrell St., San Francisco.
Architect—Henry Jacobs, 110 Sutter St. San Francisco.
Contractor—City Coal Co., 234 Steuart St., San Francisco.
Filed April 5, '20. Dated April 5, '20.
Completed and accepted .....$2250
Usual 35 days ..... 750
TOTAL COST, $3000
Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.

PERMITS

GARAGE
(886) NO. 3022 CLAY. One-story frame (private) garage.
Owner—T. D. Boardman, Premises.
Architect—None.
Contractor—W. J. Black, 1306 Guerrero St., San Francisco.
COST, $750

ALTERATIONS
(888) NO. 656 HOWARD. Cut through brick wall and install windows, skylights, etc.
Owner—Majestic Electric & Development Co., 656 Howard, San Francisco.
Architect—None.
Contractor—Moller & Sons, 520 Jessie St., San Francisco.
COST, $700

ALTERATIONS
(889) NO. 1557 HAIGHT ST. Alterations for store front.
Owner—H. Steiger, 1564 Haight St., San Francisco.
Architect—None.
COST, $575

ALTERATIONS
(890) NO. 823 NORTH POINT. Alterations and additions to dwelling.
Owner—G. Da San Martino, 823 North Point, San Francisco.
Architect—None.
Contractor—Lorenzo Del Carlo, 119 Culebra Terrace, San Francisco.
COST, $1432

ALTERATION
(891) NO. 100 ORD ST. COR. 17th. Alter store for three-room apartment and rearrange basement for garage.
Owner—Ephraim H. Musin, 106 Ord St., San Francisco.
Architect—N. W. Mohr, 110 Sutter St., San Francisco.
COST, $750

STORE
(892) S PINE 87-6 E Polk. One-story brick store.
Owner—L. A. Myers, 68 Post St., San Francisco.
Architect—None.
Contractor—O. W. Britt, 115 Scott St., San Francisco.
COST, $6000

SERVICE STATION
(893) SE SPEAR AND MISSION. One-story gasoline service station.
Owner—Associated Oil Co., 817 Sharon Bldg., San Francisco.
Architect—Engineering Dept. of Associated Oil Co., 817 Sharon Bldg., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, $2000

STORE AND SALESROOM
(894) N WASHINGTON 160 W Van Ness Ave. One-story Class "C" store and salesroom.
Owner—Louis R. Lurie, 743 Mills Bldg., San Francisco.
Architect—Ward & Blohme, 434 California St., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, $18,000

UNDERPIN
(895) S GEARY 200 W Larkin. Underpin east wall of present building.
Owner—D. H. Green and Rachael Saalfield, 1855 Sacramento St., San Francisco.
Architect—None.
Contractor—Fennell & Chisholm, 180 Jessie, San Francisco.
COST, $690

RECORDED

FRAME FLATS
(896) NW FOLSOM AND TWENTY-sixth N 58-6xW 40-9. Concrete, carpenter, plumbing and electric work for two-story and basement frame flats.
Owner—Anna C. Mohr, 2984 Folsom St. San Francisco.
Architect—Matthew O'Brien and E. H. Hildebrand Associated, 68 Post St. San Francisco.
Contractor—Munster & Bornholdt, 1706 Broderick St., San Francisco.
Filed Apr. 6, '20. Dated Apr. 1, '20.
Enclosed and roof on.....$3306
Brown coated ..... 3306
Completed and accepted..... 3308
Usual 35 days..... 3306
TOTAL COST, $13,224
Bond, $6113. Sureties, Otto Schrader and Chas. A. Carillon. Limit, 90 days Forfeit, $10. Plans and specifications filed.

BUILDING
(897) S GEARY 120 W Larkin W 40x S 120. All work for one-story building.
Owner—Morris G. Jonas and John Murphy.
Architect—G. A. Applegarth, Claus Spreckels Bldg., San Francisco.
Contractor—The Unit Construction Co. Phelan Bldg., San Francisco.
Filed Apr. 6, '20. Dated Mar. 11, '20.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $13,385
Bond, $6693. Surety, American Indemnity Co. Limit, 60 days after Mar. 20 Forfeit, $10. Plans and specifications filed.
NOTE:—Permit reported March 13 1920, No. 674.

ELECTRIC WIRING
(898) NE PINE AND STOCKTON E 137-6xN 275. Electric wiring for Class "A" addition to office building.
Owner—Metropolitan Life Ins. Co., by Jas. Furlong, contractor.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Sub-contractor—The Turner Co., 272 Natoma St., San Francisco.
Filed April 6, '20. Dated March 31, '20.
On 10th of each month ..... 75%
40 days after ..... 25%
TOTAL COST, $22,168
Bond, $11,084. Sureties, Fidelity & Deposit Co., of Maryland. Forfeit, Limit, none. Plans and specifications filed.

BUNGALOWS
(899) LOTS 2, 4, 6, 8, 9, BLK. 3135. Westwood Park; lots 11, 12, 14, 16, and 18, Blk. 3136, Westwood Park. All work for ten one-story frame bungalows.
Owner—Anna C. Andersen.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Nels A. Andersen, 1927 Napa St., Berkeley.
Filed April 6, '20. Dated April 2, '20.
Frames up and enclosed ....$14,500
Brown coated ..... 14,500
Completed and accepted .... 14,500
Usual 35 days ..... 14,500
TOTAL COST, $58,000
Bond, $29,000 Sureties H. J. Quinn, S. B. Reed. Forfeit, none. Limit, 90 days. Plans and specifications filed.

(900) SE WASHINGTON AND GRANT Ave. E 25-10xS 40. Alterations and additions to three-story building.
Owner—Yee Wong and Yee Ten Mou, 816 Grant Ave., San Francisco.
Architect—None.
Contractor—V. Filippis, 1526 Powell, San Francisco.
Filed April 6, '20. Dated April 5, '20.
Brown coated ..... ¼
Iron and sheet metal done..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST $3785
Bond $1900. Sureties Leon Roudings Surety Co. Forfeit 10. Limit 60 days. Plans and specifications filed.
NOTE: Permit reported April 5, 1920, No. 878.

EXCAVATION, ETC.
(901) NE BAKER AND VALLEJO N 50xE 110. Excavation, grading, removals, filling, reinforcing, concrete, etc., for two-story and attic frame dwelling.
Owner—E. L. Hueter, 972 Bush St., San Francisco.
Architect—LouisM. Upton and Milton Latham, 452 Montgomery St., San Francisco.
Contractor—J. Pasqualetti (as American Concrete Co.), Humboldt Bank Bldg., San Francisco.
Filed April 6, '20. Dated April 2, '20.
Excavation and grading done and concrete basement floor.$3728
Completed and accepted ..... 3728
Usual 35 days ..... 2487
TOTAL COST, $9943
Bond, $4971.50. Sureties, Maryland

Casualty Co.. Forfeit, none. Limit, 50 days after April 6. Plans and specifications filed.
NOTE: Permit reported April 5, 1920, No. 874.

**PERMITS.**

ALTERATIONS
(902) NW MISSION AND THIRD Sts. Remove curtain walls and make alterations for new stores.
Owner—United Cigar Stores Co., 556 Howard St., San Francisco.
Architect—Jos. A. O'Shaughnessy, 555 Howard St., San Francisco.
Contractor—S. E. Brown, 1434 6th Ave., San Francisco.
COST, $4000

GARAGE
(903) NO. 4302 NINETEENTH ST. Construct private garage, cement work, etc.
Owner—T. McKeon, 4302 19th St., San Francisco.
Architect—None.
Contractor—J. W. Marsden, 507 Cole St., San Francisco.
COST, $500

SHED
(904) S NORTH POINT 100 W Taylor. One-story frame auto shed.
Owner—Jos. Musto Sons Keenan Co., 535 North Point, San Francisco.
Architect—None.
COST, $500

FLATS
(905) S SACRAMENTO 87-6 W Buchanan. Two-story and basement frame (4) flats.
Owner—Adolph Fricke, 1849 Howard San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Days' work. COST, $15,000

ALTERATIONS
(906) No. 1025 SHOTWELL. Raise eaves of present building and rearrange dividing partitions, new hardwood floors, etc.
Owner—Infants' Shelter, Premises.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.
COST, $4,000

ADDITION
(907) S SHOREVIEW AVE. 66 W 36th Ave. Add one story to present frame private garage for conservatory and playroom.
Owner—C. B. Eaton, 17 Shoreview Ave., San Francisco.
Architect—None.
Contractor—R. E. Lapham, 2519 61st Ave., Oakland, Cal.
COST, $500

RATPROOF
(908) NO. 2741 TAYLOR. Ratproof present building.
Owner—L. Bologna, 2741 Taylor St., San Francisco.
Architect—None.
COST, $500

GARAGE
(909) THIRTEENTH AND MISSION Sts. One-story brick (private) garage.
Owner—Bekin Storage Co., Premises.
Architect—None.
Contractor—Emil Hogberg, 180 Jessie St., San Francisco.
COST, $2200

ALTERATION
(910) NO. 392½ THIRD ST. Change front and interior partition for restaurant.
Owner—Louis Orris, 585 California St., San Francisco.
Architect—None.
COST, $500

GARAGE
(911) NO. 1480 WILLARD ST. One-story frome garage (private).
Owner—M. Koehler, 1480 Willard St., San Francisco.
Architect—None.
Contractor—J. Jacoby, 75 Leese St., San Francisio.
COST, $500

GARAGE
(912) E COLE bet. Carl and Parnassus. One-story concrete public garage.
Owner—F. R. Howard, 310 California, San Francisco.
Architect—T. Patterson Ross, 310 California, San Francisco.
Contractor—Adam Arras, 110 Jessie, San Francisco.
COST, $12,950

**RECORDED.**

BUILDING
(913) SW TWENTY-FIRST and Mission W 92-6 S 60-3 E 22-6 N 30-3 E 70 N 30. All work for a 1-story and basement Class "C" building (store).
Owner—L. Glickfeld.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco.
Filed April 7, '20. Dated April 4, '20.

| | |
|---|---|
| Basement excavation and foundation walls done to sidewalk level | $3,750.00 |
| Concrete walls done | 3,750.00 |
| Building roofed and first coat plaster on | 3,750.00 |
| Completed and accepted | 3,487.50 |
| Usual 35 days | 4,912.50 |
| TOTAL COST, | $19,650.00 |

Bond, $9825. Sureties John Ginocchio and Jos. Mulvihill. Forfeit, none. Limit, 90 days. Plans and specifications filed.
NOTE Permit also applied for today.

ELECTRICAL EQUIPMENT
(914) POWELL AND EDDY. Electrical equipment for building.
Owner—Bank of Italy, Montgomery and Clay, San Francisco.
Architect—None.
Contractor—Standard Electrical Construction Co., 60 Natoma St., San Francisco.
Filed April 7, '20. Dated Jan. 28, '20. Payments as work progresses and on completion.
TOTAL COST, $22,000
Bond, Sureties, Forfeit, Limit, none. No plans or specifications filed.

**PERMITS**

ALTERATIONS
(915) N ARMY 250 W Howard. General interior changes for residence; tar and gravel roof, etc.
Owner—A. Lagau, 673 Mangels Ave., San Francisco.
Architect—None.
Contractor—C. Nyman, 673 Mangels Ave., San Francisco.
COST, $800

GARAGE
(916) NO. 740 BAY. One-story frame private garage.
Owner—G. Donata, 740 Bay St., San Francisco.
Architect—None.
Contractor—A. Donati, 740 Bay St., San Francisco.
COST, $500

DWELLING
(917) E DEWEY BLVD. 25 N Pacheco. One-story and basement frame dwelling.
Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Contractor—Wm. C. Hamerton & Son, 1391 Waller, San Francisco.
COST, $16,000

ALTERATIONC
(918) NO. 1272 FELL. Alter present two-story frame building into apartments.
Owner—John Simmen, Premises.
Architect—None.
Day's work. COST, $6000

ALTERATIONS
(919) NO. 1543 HAIGHT. Remove center bearing and truss roof for market.
Owner—H. Steiger, 1564 Haight St., San Francisco
Architect—None.
Day's work. COST, $500

REPAIRS
(920) NOS. 2133-2135 MISSION. Repair fire damage to department store.
Owner—Commercial Center Realty Co.
Architect—None.
Contractor—R. W. Moller, 614 Call Bldg., San Francisco.
COST, $6468

DWELLINGS
(921) W NAPLES 125, 175 and 225 N Geneva. Three one-story and basement frame dwellings.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco.
COST, $3800 each

REPAIRS
(922) NO. 1300 PAGE. Repair fire damage to dwelling.
Owner—Elizabeth R. Parish, Merchants National Bk. Bldg., San Francisco.
Architect—None.
Contractor—James Jensen, 550 Valencia, San Francisco.
COST, $2435

ALTERATIONS
(923) NO. 462 THIRD ST., Cor. Stillman. Build new store front.
Owner—J. H. Umbsen, 20 Montgomery St., San Francisco.
Architect—None.
Contractor—L. G. Bergren, 209 Sanchez St., San Francisco.
COST, $600

ALTERATIONS
(924) SW VALENCIA & TWENTY-second. Alterations and additions for store and residence.
Owner—A. Shrader, 210 West Santa Clara Ave., San Jose.
Architect—None.
Contractor—J. W. Jessiman, 230 7th Ave., San Francisco.
COST, $4500

GARAGE
(925) NO. 2216 CLAY. Excavate and construct garage; cement work, etc.
Owner—Frank E. Foran, Premises.
Architect—None.
Contractor—Henry T. Grieb.
COST, $1250

OFFICE
(926) FOOT OF LEAVENWORTH St. One-story frame office.
Owner—Shell Co. of California, 343 Sancome St., San Francisco.
Architect—None.
Contractor—Gutleben Bros., New Call Bldg., San Francisco.
COST, $900

ALTERATIONS
(927) NO. 989 MARKET ST. Cut through sidewalk and construct concrete stairs.
Owner—Chris Claenly, 219 O'Farrell St., San Francisco.
Architect—None.
COST, $500

**RECORDED.**

BUILDING
(928) N OAK 111 W VAN NESS AVE. W 66 — 166-8 th. at angle of 54 deg. 14-9 sec. along N Market — 81-4 th. to beginning. All work for a three-story and basement reinforced concrete building.
Owner—Mrs. Elsie A. Drexler, Mills Bldg., San Francisco.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
Contractor—Mission Concrete Co., 407 New Call Bldg., San Francisco.
Filed April 8, '20. Dated April 7, '20.

| | |
|---|---|
| On 8th of each month | 75% |
| Usual 35 days | 25% |
| TOTAL COST, | $78864 |

Bond, Sureties, none. Forfeit, $25. Limit, 75 days. Plans and specifications filed.
NOTE: Permit reported April 5, 1920, No. 860.

**PERMITS**

DWELLINGS
(929) E DEWEY BLVD. 215 and 265 N Pacheco. Two one-story and basement frame dwellings.
Owner—F. Nelson & Sons, West Portal Park, San Francisco.
Architect—None.
Contractor—Wm. C. Hamerton & Son, 1301 Waller St., San Francisco.
COST, $8,000 each
NOTE: Under applications for Buildings Permits of April 8th this work was reported as a one-story frame residence, estimated cost $16,000. The application has been cancelled by the Building Permit Bureau and new applications filed for two buildings, each to cost $8,000.

ALTERATION
(930) NO. 108 EMBARCADERO. Change store front.
Owner—W. J. Yore, Gartland Hotel, San Francisco.
Architect—E. A. Garin, San Francisco.
COST, $500

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ALTERATION
(931) SW FRONT AND WASHINGTON. Cut out brick wall in commission house.
Owner—Joseph Estate, Foxcroft Bldg., San Francisco.
Architect—T. Paterson Ross, 310 California, San Francisco.
COST, $500

ALTERATION
(932) NO. 405 GOLDEN GATE AVE. Construct new store front.
Owner—Kathleen Farrell, 2415 Octavia St., San Francisco.
Architect—None.
Contractor—J. M. Andersen, 1612 Pacific Ave., San Francisco.
COST, $500

REPAIRS
(933) NW JACKSON AND SANSOME Repair elevator, electric work, etc.
Lessee—E. B. Skinner, Premises.
Architect—None.
COST, $1000

ALTERATION
(934) NO. 33 POWELL ST. Erect lath and plaster partitions, plumbing, electric work, etc., for factory.
Owner—Pig'n Whistle Co., 130 Post St., San Francisco.
Architect—Arthus S. Heineman, Los Angeles, Cal.
Contractor—A. Gough, Occidental Hotel, San Francisco.
COST, 2000

STRUCTURAL STEEL WORK
(935) NW PINE AND MONTGOMERY N 125xW 138-6. Receive, erect and paint structural steel for 15-story Class "A" office building
Owner—Commercial Union Assurance Co., Ltd., by P. J. Walker Co., Agt., Monadnock Bldg., San Francisco.
Architect—Geo. W. Kelham and Kenneth MacDonald Jr., Sharon Bldg., San Francisco.
Contractor—J. G. Williams Constr. Co., 512 California St., San Francisco.
Filed Apr. 9, '20. Dated Feb. 20, '20.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $34,125
Bond, $17,063. Surety, Maryland Casualty Co. Limit, as required. Forfeit, none. Plans and specifications filed

CONCRETE BUILDING
(936) E COLE 107.7 N Parnassus Ave E 100 N 7-5 E 80 N 46-3⅜ W 179-9⅜ S 60. Excavating, concrete, iron, carpenter work, lumber, mill work, rough and finish hardware, roofing, galvanized iron and tin work and painting for one-story concrete building.
Owner—F. R. Howard.
Architect—T. Paterson Ross, 310 California St., San Francisco.
Contractor—Adam Arras, 110 Jessie St., San Francisco.
Filed Apr. 9, '20. Dated Apr. 7, '20.
Concrete walls poured to bottom of roof trusses ..... .....$3237
Roof on ..... 3237
Completed and accepted..... 3237
Usual 35 days ..... 3239
TOTAL COST, $12,950
Bond, none. Limit, 65 days after date of contract. Forfeit, $10. Plans and specifications filed.
NOTE:—Permit reported April 8, 1920 No. 912.

**PERMIT.**

ALTERATION
(937 S CALIFORNIA 84-8 E Battery. Construct stairway and partitions, etc., for stores and offices.
Owner—M. S. Eisner.
Architect—None.
Contractor—C. J. Keenan, 924 Crocker Bldg., San Francisco.
COST, $1500

**RECORDED.**

ADDITIONAL WORK
(938) N CLAY 89-1 W Sansome W 44-3 N 122 E 25-4 S 31-2 E 18-11 S 90-10. Additional work on two-story and basement building (packing house).
Owner—Isabella M. Cowell, 2 Market St., San Francisco.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor—Albert H. Vogt, 185 Stevenson St., San Francisco.
Filed April 10, '20. Dated April 2, '20.
On 1st of each month ..... 75%
36 days after ..... 25%
TOTAL COST, $4357
Bond, Sureties, Forfeit, none. Limit, 110 days. Specifications only filed.

(939) ELEVATORS ON ABOVE.
Contractor—B. C. Van Emon Elevators, Inc., 235 1st St., San Francisco.
Filed April 10, '20. Dated March 30, '20.
Elevator machine delivered.$1,125.00
Completed and accepted .... 562.50
36 days after ..... 562.50
TOTAL COST, $2,250.00
Bond, $1125. Sureties, Globe Indemnity Co. Forfeit, $25. Limit, —. Plans and specifications filed.

BUILDING
(940) N BROADWAY bet. Sansome & Battery. All work for a one-story and basement and mezzanine floor concrete building.
Owner—Geo. L. Higgins and as guardian estate Elizabeth Higgins, incompetent, Mary Fey, Jno. P. Higgins and Agnes M. Tormey, 1534 Union St., San Francisco.
Architect—L. M. Weissmann, 1958 Market St., San Francisco.
Contractor—Adam Arras, 110 Jessie St., San Francisco.
Filed April 10, '20. Dated April 9, '20.
1st floor joists in .....$3325
Roof rafters on ..... 3325
Completed and accepted ..... 3325
Usual 35 days ..... 3325
TOTAL COST, $13,300
Bond, $6650. Sureties, Fidelity & Deposit Co. of Maryland. Forfeit, $7.50 Limit, 60 days. Plans and specifications filed.
NOTE: Permit reported March 27 1920, No. 787

**PERMIT.**

RESIDENCE
(941) W FORTY-SECOND AVE. 25 S Balboa. Two-story and basement frame residence.
Owner—Thomas Hamill, 715 52nd Ave., San Francisco.
Architect—None.
Day's work. COST, $4000

DWELLING
942) NE BALBOA AND FORTY-third Ave. One-story and basement frame dwelling.
Owner—R. N. Gibson, Lankershim Hotel, 5th St., bet. Market and Mission, San Francisco.
Architect—None.
COST, $4,000

DWELLINGS
(943) — BALBOA 24, 48, 72 and 96 E 43rd Ave. Four one-story and basement frame dwellings.
Owner—R. N. Gibson, Lankershim Hotel, 5th St. bet. Market and Mission, San Francisco.
Architect—None.
COST, $4,000 each.

ALTERATION
(944) NO. 399 GEARY. Remove electric sign, repaint and reinstall same.
Owner—Kruse's Grill, 399 Geary St., San Francisco.
Architect—None.
Contractor—Brumfield Elec. Sign Co., 18 7th St., San Francisco.
COST, $500

ALTERATION
(945) NO. 2130 LYON. Remove wall in bedroom and add sleeping porch to dwelling.
Owner—Mrs. Muller, 2020 Baker St., San Francisco.
Architect—None.
COST, $500

DWELLINGS
(946) N LAKE 60, 125 and 185 E 29th Ave. Three two-story and basement frame dwellings.
Owner—Allen & Co., 125 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Thos. Hamill, 715 42nd Ave., San Francisco.
COST, $12,000 each.

ALTERATION
(947) SE MARKET AND FIFTH Sts., (3rd floor). Remove and replace partitions; other minor changes for millinery shop
Owner—Hinz & Landt, 5th and Market, San Francisco.
Architect—Will H. Toepke, 942 Market St., San Francisco.
COST, $1000

LATH AND PLASTER
(948) NW MAPLE AND SACRAMENTO Sts. Lath and plaster exterior of apartment house.
Owner—S. Hamburger, 210 Sutter St., San Francisco.
Architect—None.
Contractor—Wm. G. Gilmour, 130 Jessie St., San Francisco.
COST, $1200

ALTERATION
(949) W STOCKTON 38 N Post. Change saloon quarters for barber shop, new front, change stairway, etc.
Owner—Mrs. W. F. Burbank, San Jose, California.
Architect—Kenneth MacDonald, Jr., 234 Pine St., San Francisco.
Contractor—Wegner & Blob, Balboa Bldg., San Francisco.
COST, $3200

ALTERATION
(950) SE SAN JOSE AVE., 26.50 NE Foote Ave. Move to rear present residence and garage, new foundation underpinning, etc.

Owner—Lina Schaack Mathes, 2563 San Jose Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $995

ALTERATIONS
(951) NO. 2623 SAN JOSE AVE. Move present residence to rear, underpinning, enclosure, steps, etc.
Owner—Angelo Cortopassi, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $1091

ALTERATIONS
(952) SE SAN JOSE AVE 96.19 SW Whipple. Move present residence to rear; underpinning, enclosures, steps, etc.
Owner—Annie O'Neil.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $1233

ALTERATIONS
(953) SE SAN JOSE AVE 40.50 SW Whipple. Move present residence to rear; underpinning; enclosures, steps, etc.
Owner—Dorris Schroder, 2711 San Jose Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $1156

ALTERATIONS
(954) SE SAN JOSE AVE 146.81 SW Whipple. Move present building to rear, underpinning, enclosure, steps, etc.
Owner—John J. Bullwinkel.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $1313

ALTERATIONS
(955) SE SAN JOSE AVE 81.62 SW Whipple. Move to rear present one and one-half and 2 one-story frame residences; underpinning, enclosures, steps, etc.
Owner—James P. Britt, 2621 San Jose Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $1975

ALTERATIONS
(956) SE SAN JOSE AVE 127.12 SW Whipple. Move to rear present residence, new foundation, underpinning, etc.
Owner—Henry V. Sagehorn, 2735 San Jose Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $915

ALTERATIONS
(957) SE SAN JOSE AVE 183.75 SW Naglee Ave. Move to rear present residence; new foundation; underpinning, etc.
Owner—M. J. and L. Neubauer, 2671 San Jose Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $988

ALTERATION
(958) SE SAN JOSE Ave 225.80 NE Lawrence. Move to rear present residence; new foundation; underpinning etc
Owner—Valentine and Mary Davies, 2817 San Jose Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $634

ALTERATIONS
(959) SE SAN JOSE AVE 77.72 SW Farragut. Move to rear present resining, etc.
Owner—Frederick and Magdalena Bastian, 2807 San Jose Ave., S. F.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $631

ALTERATIONS
(960) SE SAN JOSE AVE 241.75 SW Ottawa. Move to rear present building; new foundation; underpinning, etc.
Owner—Cornelius J. Kelleher, 2557 San Jose Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $799

ALTERATIONS
(961) SE SAN JOSE AVE 267.62 SW Ottawa. Move to rear present residence; new foundation; underpinning, etc.
Owner—Mary McCarthy, 2559 San Jose Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $748

DWELLINGS
(962) — THIRTY-SIXTH AVE 25, 50, 75 and 100 N Anza. Four one-story and basement frame dwellings.
Owner—R. N. Gibson, Lankeahim Hotel, 5th St., Bet. Market and Mission, San Francisco.
Architect—None.
Day's work. COST, $4000 each

FRAME DWELLINGS
(963) W TWENTY-SEVENTH AVE 225 and 250 N Taraval. Two two-story and basement frame dwellings.
Owner—Louis Johnson, 2260 19th Ave., San Francisco.
Architect—None.
Day's work. Cost, $2900 each

FRAME DWELLINGS
(964) W TWENTY-SIXTH AVE 45, 72-6, 100, 156, 127-6, 182-6 S Cabrillo. Six one-story and basement frame dwellings.
Owner—Oscar Heyman & Bro., 742 Market St., San Francisco.
Architect—None.
Day's work. COST, $5000 each

DWELLING
(965) W COLON 282 S Greenwood. One-story and basement frame dwlg.
Owner—Anna E. Andersen, 1927 Naples St., San Francisco.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—N. A. Andersen, 1927 Naples St., San Francisco.
COST, $5000

DWELLING
(966) E COLON AVE 124 N Greenwood. One-story and basement frame dwelling.
Owner—Anna E. Andersen, 1927 Naples St., San Francisco.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—N. A. Andersen, 1927 Naples St., San Francisco.
COST, $6000

DWELLINGS
(967) W COLON 42 and 202 S Greenwood. Two one-story and basement frame dwelling.
Owner—Anna E. Andersen, 1927 Naples St., San Francisco.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—N. A. Andersen, 1927 Naples St., San Francisco
COST, $6000 each

DWELLING
(968) SW COLON AND GREENWOOD Aves. One-story and basement frame dwelling.
Owner—Anna E. Andersen, 1927 Naples St., San Francisco.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—N. A. Andersen, 1927 Naples St., San Francisco
COST, $7000

FRAME DWELLING
(969) SE COLON AND GREENWOOD Aves. One-story and basement frame dwelling.
Owner—Anna E. Andersen, 1927 Naples St., San Francisco.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—N. A. Andersen, 1927 Naples St., San Francisco.
COST, $7000

DWELLING
(970) W COLON 122 S Montecito. One story and basement frame dwelling.
Owner—Anna E. Andersen, 1927 Naples St., San Francisco,
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—N. A. Andersen, 1927 Naples St., San Francisco.
COST, $5000

DWELLINGS
(971) E COLON 44, 204, and 284 N Greenwood. Three one-story and basement frame dwellings.
Owner—Anna E. Andersen, 1927 Naples St., San Francisco.
Architect—A. W. Smith, 1010 Broadway Oakland.
Contractor—N. A. Andersen, 1927 Naples St., San Francisco.
COST, $5000 each

DWELLINGS
(972) E FORTY-FOURTH AVE 25 & 50 N Geary. Two one-story and basement frame dwellings.
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.
Architect—None.
Day's work. COST, $4000 each

FRAME DWELLING
(973) SE POINT LOBOS AVE AND Geary. One-story and basement frame dwelling.
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.
Architect—None.
Day's work. COST, $4000

FRAME DWELLING
(974) S POINT LOBOS AVE 75 and 106 E 44th Ave., Two one-story and basement frame dwellings.
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.
Architect—None.
Day's work. COST, $4000 each

FRAME DWELLING
(975) NE GEARY & FORTY-FOURTH Ave. One-story and basement frame dwelling.
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.
Architect—None.
Day's work. COST, $4000

ALTERATIONS
(976) CALIFORNIA, MASON, CUSHman and Sacramento. Alterations in southern section of 3rd floor. To convert service portion for bedrooms.
Owner—Pacific Union Club, California and Mason, San Francisco.
Architect—Willis Polk & Co., Hobart Bldg., San Francisco.
Contractor—R. Ehrhart Co., Olympic Club, San Francisco.
COST, $10,000

## RECORDED

APARTMENTS
(977) E FRANKLIN 60 S O'Farrell S 60xE 137-6. All work for four-story and basement brick (23) apartments.
Owner—Ralph Pincus, 77 O'Farrell St., San Francisco.
Architect—Wm. Beasley, 77 O'Farrell St., San Francisco.
Contractor—E. K. Nelson (as E. K. Building Co.), 77 O'Farrell St., San Francisco.
Filed Apr. 12, '20. Dated Apr. 6, '20.
Contractor to receive his pay as follows:
Completed and accepted.....$1750
Usual 35 days..... 1750
TOTAL COST, $54,000; contractor to receive $3500.
Bond, none. Limit, 100 days. Forfeit, plans and specifications, none.
NOTE:—Permit reported March 25, 1920. No. 759.

CARPENTER WORK
(978) COR. NEW MONTGOMERY and Market. Rough and finish carpenter and cabinet work in Palace Hotel Bldg.
Owner—McDonnell & Co.
Architect—Willis Polk & Co., Hobart Bldg., San Francisco.
Architect—Cameron & Disston, Hearst Bldg., San Francisco.
Filed April 12, '20. Dated April 7, '20.
On 15 th of each month ..... 15%
Usual 35 days ..... 25%
TOTAL COST, $14,975
Bond, $7740. Sureties, Hugh Mc Kevitt and Jno. C. Quinlan. Forfeit, $50; bonus, $50. Limit June 7, 1920. Plans and specifications filed.

## NOTICE OF NON-RESPONSIBILITY.

### San Francisco County.

Apr. 6, 1920—SE MARKET 53 NW 6th NE 25xSE 90; No. 989 Market. George P Neppert as to improvements on leased property.....

April 7, 1920—NE STOCKTON AND Manilla N 60xE 70. The Schroth Co. as to improvements on leased property.
Apr. 8, 1920—W BRODERICK 25 S Fell S 75xW 100. Melville S. Monroe F and Geo Toplitz and Belle Banner and Jennie Oppenheimer as to improvements on leased property .....

## COMPLETION NOTICES

### San Francisco County

April 5, 1920—N TWELFTH & OTIS SW 66xNW 100. The McKee Co. to John E Beck.....April 5, 1920
April 5, 1920—N GREEN 103-1½ W Devisadero W 34-4½xN 137-6. Al. Hanify to Kronnick Bros.....
Apr. 6, 1920—W FOURTEENTH AVE 174 N from N line Cabrillo 25x120. J Harold Johnson to whom it may concern.....April 3, 1920
Apr. 6, 1920—W NINTH AVE 225 S Geary S 25xW 120 O L 275. Henry Blob to whom it may concern.....April 6, 1920
Apr. 6, 1920—NO. 51 GEARY and 722 Market St. The Western Union Co to Frederick W Snook..Mar. 29, 1920
Apr. 6, 1920—W MISSION 263-0¾ S 29th S 66-2 W 74 S 42-9 W 25-9 S 14-10 W 60-3 N 122-9 E 160 and strip of land 8 feet wide. Stephen Mariani to Golden Gate Iron Works .....April 3, 1920
Apr. 6, 1920—W PLYMOUTH AVE 200 N Grafton Ave N 50xW 112-6 Lots 45 and 46 Blk 8, Lakeview. Nels F Johnson to whom it may concern.. .....April 6, 1920
Apr. 6, 1920—NE VAN NESS AVE & Sutter. Macdonald & Kahn to whom it may concern...Apr. 3, 1920
April 7, 1920—W VALENCIA 107 N 24th N 62-8½xW 90. E. R. Prince to Monson Bros.....April 7, 1920
April 7, 1920—N CALIFORNIA 43-6 E Front E 44 N 94 W 87-6 S 26 E 43-6 S 68. American Finance & Commerce Co. to Walter Sorenson .....March 29, 1920
April 9, 1920—NW TWENTY-FIFTH and Homestead W 75xN 35. Lawrence Costello to McDonough & Costello .....April 5, 1920
April 9, 1920—SE SUTTER and Mason E 75xS 62-6. Francisca Club to W. F. Perkins .....
April 9, 1920—W FORTIETH AVE. 50 S Balboa S 50xW 85. A. W. Mackillop to whom it may concern .....April 1, 1920
April 10, 1920—SE MARKET and 6th. Western States Life Insurance Co. to C. C. Morehouse .....

### LIENS FILED.

#### San Francisco County.

April 1, 1920—W VALENCIA AND Mission SW 45, NW 100, NE 65, SE 87-6, S 23-5½ ptn. lot 21, Tiffany & Dean Tract. H. S. Thompson vs. L. F. Haubold and V. T. La Coste. ..... $61.30
Apr. 8, 1920—SE LONDON about 200 SW Brazil; No. 325 London. A E Lovett vs Stanley and Annie D Czeck .....$75
April 7, 1920—NE STOCKTON AND Pine E 137-6xN 275. Genevieve Granfield (as San Francisco Motor Drayage Co.) vs. Metropolitan Life Ins Co and A J Reeder....$2057
Apr. 8, 1920—NE PINE & STOCKTON E 137-6xN 275. R A Farrar and John Carlin (as Carlin Grading Co) vs Metropolitan Life Insurance Co., Corpn. and A J Reeder.....$595
April 9, 1920—NO. 44 FOURTH ST. Argonaut Hotel), with a depth of 275 feet. Watts Electric Co. vs. Elmer S. Ekborn, Edward Rolkin and Society of California Pioneers ..... $367.39
April 9, 1920—NW CHENERY 363 SW Roanoke. Jacob Ebneter vs. Mary V. Richardson .....$371.50

### LEASE.

#### San Francisco County.

April 5, 1920—COR. GOUGH AND O'Farrell, fronting 137-6 on O'Farrell and 30 m or I on Gough. Commercial Center Realty Co. to Clara R. Douglas; 5 years; $13,250.

## BUILDING CONTRACTS

### Alameda County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 741 | Palmer | Owner | 400 |
| 742 | Hatteroth | Larsen | 18000 |
| 743 | Feldman | Owner | 450 |
| 744 | Brophy | Owner | 500 |
| 745 | Land | Bell | 500 |
| 746 | Lakeshore | Strang | 400 |
| 747 | Lakeshore | Strang | 400 |
| 748 | Shelley | Allen | 750 |
| 749 | Kessler | Scammon | 700 |
| 750 | Houx | Spano | 400 |
| 751 | City of Okd. | Faulkes | 3140 |
| 752 | Same | Same | 3170 |
| 753 | Same | Same | 3170 |
| 754 | Pioneer Brass | Brown | 500 |
| 755 | Marquis | Owner | 3200 |
| 756 | Same | Same | 3200 |
| 757 | Cal Pck'g. | Pattinson | 3000 |
| 758 | California Pack'g | Baccus | 4530 |
| 759 | McNaughton | Mason | 500 |
| 760 | Blankenship | Owner | 3000 |
| 761 | Moorhead | Owner | 2000 |
| 762 | Page | Sea | 6900 |
| 763 | Hillen | Owner | 3900 |
| 764 | Hillen | Owner | 3900 |
| 765 | Watz | Owner | 400 |
| 766 | Williams | Bradhoff | 1000 |
| 767 | Wilmer | Owner | 400 |
| 768 | Panella | Toso | 775 |
| 769 | Cal Paint | Owner | 800 |
| 770 | Riess | Fredericksen | 1500 |
| 771 | Brown | Burton | 4931 |
| 772 | Hally | Fish | 3000 |
| 773 | Noble | Owner | 3500 |
| 774 | Noble | Owner | 10500 |
| 775 | Metzner | Hammond | 1175 |
| 776 | Brazier | Owner | 2500 |
| 777 | Bk. of Italy | Crockett | 500 |
| 778 | Burrough | Monroe | 500 |
| 779 | Olsen | Owner | 1500 |
| 780 | Shores | Peters | 10000 |
| 781 | Lorenzen | Bertelsen | 5000 |
| 782 | Anderson | Owner | 400 |
| 783 | Johnston | Brennon | 3500 |
| 784 | Nunes | Owner | 3900 |
| 784 | Sutherland | Owner | 1000 |
| 785 | Menkes | Campomenosi | 425 |
| 786 | Smith | Owner | 800 |
| 787 | Moore | Owner | 8000 |
| 788 | Spencer | Owner | 2500 |
| 789 | Dombrink | Owner | 600 |
| 790 | Gray | Farmer | 500 |
| 791 | Baehr | Owner | 3000 |
| 792 | Malnick | Warner | 4700 |
| 793 | Cain | Reid | 4000 |
| 794 | Mohr | Owner | 12000 |
| 795 | Stone | Owner | 2250 |
| 796 | Yale | Walker | 2500 |
| 797 | Merkle | Owner | 5000 |
| 798 | Johnstone | Owner | 1200 |
| 799 | Cazaa | Corbett | 400 |
| 800 | Glauber | Wendt | 5800 |
| 801 | Bkly School Dist | Berger | 3958 |
| 802 | Same | Pacific | 816 |
| 803 | Same | White | 8580 |
| 804 | Same | Zellnsky | 7385 |
| 805 | Same | Knowles | 34900 |
| 806 | Same | Back | 7987 |
| 807 | Same | Newberry | 21800 |
| 808 | Same | Forderer | 21945 |
| 809 | Same | Parker | 126750 |

DWELLING
(741) CHEVROLET ACRES, Oakland. One-story 2-room dwelling.
Owner—T. W. Palmer, 2638 35th Ave., Oakland.
Architect—None.
Day's work. COST, $400

DWELLING, ETC.
(742) NW E-FOURTEENTH AND 29th Ave., Oakland. Two-story 12-room dwelling and office.
Owner—Dr. W. H. C. Hatteroth, 2046 24th Ave., Oakland.
Architect—None.
Contractor—R. K. Larsen, 1350 28th Ave., Oakland. COST, $18,000

ALTERATIONS
(742) NO. 2336 E-FOURTEENTH ST., Oakland. Alterations and additions
Owner—J. Feldman, Premises.
Architect—None.
Day's work. COST, $450

ALTERATIONS
(744) NO. 1180 FIFTY-THIRD ST., Oakland. Alterations and additions.
Owner—N. Brophy, Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(745) NO. 4236 GILBERT ST., Oakland Alterations.
Owner—W. J. Land.
Architect—None.
Contractor—C. S. Bell, 96 Monte Creste Ave., Oakland. COST, $500

GARAGE
(746) N LONGRIDGE ROAD 100 W Verada, Oakland. Garage.
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1406 Central Ave., Alameda. COST, $400

GARAGE
(747) S ROSEMONT ROAD 150 E Northvale Road, Oakland. Garage.
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda. COST, $400

ALTERATIONS
(748) NO. 2610 WOOLSEY, Berkeley Alterations.
Owner—O. P. Shelley, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. COST, $750

ADDITION
(749) NO. 2117 WOOLSEY, Berkeley. Addition.
Owner—R. F. Kessler, Premises.
Architect—None.
Contractor—C. F. Scammon, 2070 University Ave., Berkeley. COST, $700

DWELLING
(750) S FOOTHILL BLVD. in Syndicate Addition, Oakland. One-story 3-room dwelling.
Owner—C. S. Houx, 916 7th St., Okd.
Architect—None.
Contractor—Sam N. Spano, 916 7th St., Oakland. COST, $400

SCHOOL
(751) SW FIFTH AND LINDEN STS., Oakland. Two one-story 1-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1570 each

SCHOOLS
(752) NW TWENTY-THIRD AVE & E-16th, Oakland. Two one-story 1-room frame schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1570 each

SCHOOLS
(753) NW TENTH AVE AND E-15th, Oakland. Two one-story 1-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1570 each

ADDITIONS
(754) NO. 976 TWENTY-THIRD AVE., Oakland. Addition.
Owner—Pioneer Brass Works.
Architect—None.
Contractor—M. Brown, 1922 E-14th St., Oakland. COST, $500

FRAME DWELLING
(755) E THIRTY-EIGHTH AVE 25 N Santa Rita, Oakland. One and one-half-story 6-room frame dwelling.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. COST, $3200

DWELLING
(756) N SANTA RITA 80 E 38th Ave., Oakland. One and one-half-story 6-room dwelling.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. COST, $3200

WAREHOUSE
(757) W MYRTLE S.T. bet. First and Second Sts., Oakland. One-story Warehouse.
Owner—California Packing Corp.
Architect—None.

Contractor—J. Pattinson, 925 The Alameda, Berkeley.
COST, $3000

FACTORY
(758) BEACH AND YERBA BUENA Ave., adjoining present buildings Oakland. All brick work for one-story brick, concrete and frame factory.
Owner—California Packing Corp., 101 California St., San Francisco.
Architect—Philip L. Bush, 101 California St., San Francisco.
Contractor—Wm. J. Baccus, 351 12th St., Oakland.
Filed Apr. 6, '20. Dated Mar. 15, '20.
One-half completed ..... $1250
Completed and accepted ..... 2130
36 days after ..... 1150
TOTAL COST, $4530
Bond, none. Limit, 15 days. Forfeit none. Plans and specifications filed.

ALTERATIONS
(759) NO. 2328 FULTON, Berkeley. Alterations.
Owner—W. H. McNaughton, Premises.
Architect—None.
Contractor—Mason McDuffie Co., Shattuck and Addison, Berkeley.
COST, $500

DWELLING
(760) NO. 2617 DANA ST., Berkeley. One-story 4-room dwelling.
Owner—G. F. Blankenship, 2619 Ellsworth St., Berkeley.
Architect—None.
Day's work. COST, $3000

DWELLING
(761) FRUITVALE ACRES, Oakland One-story 4-room dwelling.
Owner—H. C. Moorhead, 1798 E-37th St., Oakland.
Architect—None.
Day's work. COST, $2000

DWELLINGS
(762) S HARVEY AVE 275 and 310 E 55th Ave., Oakland. Two one-story 5-room dwellings.
Owner—M. Page, 2040 55th Ave., Oakland.
Architect—None.
Contractor—John Sea, 811 Buena Vista Ave., Alameda.
COST, $3000 each

DWELLING
(763) W FAIRFAX AVE 783 N Ygnacio Ave., Oakland. One-story 5 room dwelling.
Owner—R. C. Hillen, 5361 Trask St., Oakland.
Architect—None.
Day's work. COST, $3900

DWELLING
(764) E THIRTY-SIXTH AVE 181 N E-14th, Oakland. One-story 5-room frame dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3900

ALTERATIONS
(765) NO. 3265 E-FOURTEENTH, Oakland. Alterations.
Owner—C. Watz, 1201 35th Ave., Okd.
Architect—None.
Day's work. COST, $400

REPAIRS
(766) NO. 3877 HOWE, Oakland. Repairs.
Owner—W. P. Williams, 2038 Oakland Ave., Oakland.
Architect—None.
Contractor—C. O. Bradhoff, 911 55th Oakland.
COST, $1000

ADDITION
(767) NO. 3622 MIDVALE AVE., Oakland. Addition.
Owner—Aaron Wimer.
Architect—None.
Day's work. COST, $400

ADDITION
(768) NO. 902 MYRTLE, Oakland Addition.
Owner—J. Panella, Premises.
Architect—None.
Contractor—W. Toso, 829 Myrtle, Oakland. COST, $775

ADDITION
(769) ELEVENTH AND PINE STS., Oakland. Brick addition.
Owner—California Paint Co., Premises
Architect—None.
Day's work. COST, $800

ALTERATIONS
(770) NO. 2029 THIRTEENTH AVE., Oakland. Alterations and additions.
Owner—F. Riess, 1319 E-28th St., Oakland.
Architect—None.
Contractor—J. Fredericksen, 1436 Waller St., San Francisco.
COST, $1500

FRAME DWELLING
(771) N ALAMEDA AVE 100 W Grand St., Alameda. All work for one-story and basement frame dwelling.
Owner—Elizabeth H. and Marion Brown, 1608 Chestnut St., Alameda
Architect—None.
Contractor—Charles Burton, 3215 Garfield Ave., Alameda.
Filed Apr. 7, '20. Dated Mar. 29, '20.
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $4931
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed

DWELLING
(772) NO. 1219 HIGH ST., Alameda. One-story, five-room dwelling.
Owner—Hally & Co., 2315 Santa Clara Ave., Alameda.
Architect—None.
Contractor—M. H. Fish, 1345 Versailles Ave., Alameda.
COST, $3000

DWELLING
(773) NO. 1109 PEARL ST., Alameda. One-story, six-room dwelling.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, $3,500

DWELLINGS
(774) NOS. 2620, 2614, 2624 SAN JOSE Ave. Alameda. Three one-story, six-room dwellings.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, $3,500 each

ALTERATION
(775) NO. 1336 VERSAILLES AVE., Alameda. Alteration.
Owner—Mrs. A. Metzner, Continental Hotel, San Francisco.
Architect—None.
Contractor—J. Harmond, 2705 Central Ave., Alameda.
COST, $1175

DWELLING
(776) N LINCOLN 250 W California, Berkeley. One-story, five-room dwlg.
Owner—Jas. W. Brazier, 1251 Chapping Way, Berkeley.
Architect—None.
Day's work. COST, $2500

ALTERATION
(777) NO. 3208 E-FOURTEENTH ST., Oakland. Alteration.
Owner—Bank of Italy.
Architect—None.
Contractor— E. B. Crockett, 3208 E-14th St., Oakland.
COST, $500

ADDITION
(778) NO. 37 MOSS AVE., Oakland. Addition.
Owner—Mrs. W. P. Burrough.
Architect—None.
Contractor—J. W. Monroe, 690 61st St., Oakland.
COST, $500

ALTERATION
(779) NO. 1946-48 PARK BLVD., Oakland. Alteration.
Owner—C. S. Olsen, 2906 Grove St., Berkeley.
Architect—None.
Days' work. COST, $1500

DWELLING
(780) N ROSEMOUNT ROAD 152 E Northvale Path, Oakland. Two-story, eight-room dwelling.
Owner—Mrs. F. W. Shores.
Architect—Schirmer, Bughee & Co., Thayer Bldg., Oakland.
Contractor—Fred W. Peters, 184 Ridgeway Ave., Oakland.
COST, $10,000

ALTERATION
(781) NO. 414 THIRTEENTH ST., Oakland. Alter to restaurant.
Owner—H. Lorenzen, 1801 Pleasant Valley Ave., Oakland.
Architect—H. G. Simpson, San Francisco.
Contractor—S. J. Bertelsen, 667 39th St., Oakland.
COST, $5000

REPAIRS
(782) NO. 1405 SPRING WAY, Berkeley. Repairs.
Owner—H. A. Anderson, 2432 10th St., Berkeley.
Architect—None.
Days' work. COST, $400

DWELLING
(783) S ADDISON 90 E McGee Ave., Berkeley. One-story, five-room dwlg.
Owner—J. J. Johnston.
Architect—None.
Contractor—J. P. Brennan, 1519 Hearst Ave., Berkeley.
COST, $3500

DWELLING
(784) S MONTEREY 45 E Fresno, Berkeley. One-story, 5-room dwlg.
Owner—Geo. W. Nunes, 5430 Dover St., Berkeley.
Architect—None.
Days' work. COST, $3900

ALTERATIONS
(784) NO. 629 E-EIGHTEENTH ST., Oakland. Alterations.
Owner—A. E. Sutherland, 1737 7th Ave., Oakland.
Architect—None.
Day's work. COST, $1000

GARAGE
(785) SE GLENDALE AND MANILA, Oakland. Garage.
Owenr—E. Menkes.
Architect—None.
Contractor—E. Campomenosi, 5228 Lawton Ave., Oakland.
COST, $425

AMUSEMENT BLDG.
(786) IDORA PARK, Oakland. Amusement building.
Owner—Joseph Smith, Premises.
Architect—None.
Day's work. COST, $800

DWELLINGS
(787) S MANDANA BLVD. 400 and 456 W Mandana Path, Oakland. Two one-story 5-room dwellings.
Owner—G. H. Moore, 110 Jessie St., San Francisco.
Architect—None.
Day's work. COST, $1000 each

REPAIRS
(788) NO. 519 MERRITT AVE., Oakland. Fire repairs to dwelling.
Owner—P. H. Spencer, Premises.
Architect—None.
Day's work. COST, $2500

ALTERATIONS
(789) NO. 2008 THIRTY-FIFTH AVE., Oakland. Alterations.
Owner—H. Dombrink.
Architect—None.
Day's work. COST, $500

DWELING
(790) W TREMONT 140 N 65th St., Oakland. One-story 2-room dwelling
Owner—Emma J. Gray, 6524 Fremont St., Oakland.
Architect—None.
Contractor—Geo. Farmer, 6535 Tremont St., Oakland.
COST, $500

DWELLING
(791) E SIXTY-SECOND AVE 400 S E-14th St., Oakland. One-story 5-room dwelling.
Owner—G. F. Baehr, 1623 21st Ave Oakland.
Architect—None.
Day's work. COST, $3000

STORE
(792) S E-FOURTEENTH 50 W 38th Ave. One-story store.
Owner—J. Malnick, E-14th and 38th Ave., Oakland.
Architect—None.
Contractor—S. A. Warner, 4606 Brookdale Ave., Oakland.
COST, $4700

DWELLING
(793) NW FIFTY-SIXTH and Adeline. One-story, 5-room dwelling.
Owner—L. L. Cain, Vallejo.
Architect—None.
Contractor—C. W. Reid.
COST, $4000

DWELLINGS
(794) S MANDANA BLVD. 150, 200, 250 W Mandana Path, Oakland. Three one-story, 6-room dwellinga.
Owner—Geo. L. Mohr, 1810 Shattuck Ave., Berkeley.
Architect—None.
Day's work. COST, $4,000 each

DWELLING
(795) E NINETY-SECOND AVE. 125 S 9th St., Oakland. One-story four-room dwelling.
Owner—E. B. & A. L. Stone, 804 Claus Spreckels Bldg., San Francisco.
Architect—None.
Day's work. COST, $2250

DWELLING
(796) S PLEASANT ST., 200 W Boston Ave., Oakland. One-story, five-room dwelling.
Owner—Raymond F. Yale, 2749 Pleasant St., Oakland.
Architect—None.
Contractor—S. C. Walker, 3231 Boston Ave., Oakland.
COST, $2500

DWELLING
(797) NO. 43 YORK DRIVE, Piedmont. One and one-half story frame dwelling.
Owner—J. R. Merkle, 1421 Broadway, Oakland.
Architect—None.
Day's work. COST, $5000

DWELLING
(798) E NINETY-FOURTH AVE. 100 N Plymouth, Oakland. One-story, 3-room dwelling.
Owner—J. D. Johnstone, 1810 94th Ave., Oakland.
Architect—None.
Day's work. COST, $1200

(799) NO. 1417 FRANKLIN ST., Oakland. Alteration.
Owner—Frank Cazas, Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland.
COST, $400

DWELLING
(800) LOT 8, BLK. F, Map Excelsior Heights, Oakland. One-story, 6-room dwelling.
Owner—Augusta Glauber, 1712 11th Ave, Oakland.
Architect—W. J. Wilkinson, 4130 Manila Ave., Oakland.
Contractor—G. H. Wendt, 4130 Manila Ave., Oakland.
Filed April 10, '20. Dated April 8, '20.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $5800
Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.

LOCKERS
(801) BOUNDED BY BANCROFT Way, Channing Way, Grove St. and Milvia St., Berkeley. Lockers for high school.
Owner—Berkeley High School District of Alameda County.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—The Berger Mfg. Co., 1120 Mission St., San Francisco.
Filed April 9, '20. Dated Feb. 11, '20. 1st Saturday after 1st Tuesday each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $8968
Bonds, $5,000 and $5,000. Sureties Massachusetts Bonding and Ins. Co. Forfeit, none. Limit, 150 days. No plans or specifications filed.

(802) ORNAMENTAL IRON WORK on above.
Contractor—A. Jorgensen and G. Petrey (Pacific Iron Works), 1155 67th St., Oakland.
Filed April 9, '20. Dated Feb. 28, '20. Payments same as above.
TOTAL COST, $815
Bonds $450 and $450. Sureties, Globe Indemnity Co. Forfeit, none. Limit, 30 days. No plans or specifications filed.

(803) MASONRY WORK ON ABOVE.
Contractor—Milton J. White and Emil E. Gloor (White & Gloor), Monadnock Bldg., San Francisco.
Filed April 9, '20. Dated Feb. 24, '20. Payments same as above.
TOTAL COST, $8580
Bonds, $4300 and $4300. Sureties, American Indemnity Co.; Forfeit, none. Limit, 30 days. No plans or specifications filed.

(804) PAINTING ON ABOVE.
Contractor—R. Zelinsky, 110 Jessie St., San Francisco.
Filed April 9, '20. Dated Feb. 28, '20. Payments same as above.
TOTAL COST, $7,385
Bonds, $4000 and $4000. Sureties, Fidelity & Caunalty Co. Forfeit, none. Limit, 20 days. No plans or specifications filed.

(805) LATHING AND PLASTERING on above.
Contractor—A. K. Knowles, Call Bldg., San Francisco.
Filed April 9, '20. Dated Feb. 18, '20. Payments same as above.
TOTAL COST, $34,900
Bonds, $18,000 and $18,000. Sureties, Globe Indemnity Co. Forfeit, none. Limit, 90 days. No plans or specifications filed.

(806) MARBLE WORK ON ABOVE.
Contractor—Julius E. Back and James J. Van Niel (as J. E. Back Co., 1533 San Bruno Ave., San Francisco
Filed Apr. 9, '20. Dated Feb. 21, '20. Payments same as above.....
TOTAL COST, $7987
Bonds, $4000 and $4000. Surety, Globe Indemnity Co. Limit, 40 days Forfeit, none. Plans and specifications, none.

(807) ELECTRIC WORK ON ABOVE.
Contractor—F. E. Newberry Electric Co., 163 Sutter St., San Francisco.
Filed Apr. 9, '20. Dated Feb. 19, '20. Payments same as above.....
TOTAL COST, $21,800
Bonds, $11,000 and $11,000. Surety, Globe Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications, none.

(808) ROOFING AND SHEET METAL work on above.
Contractor—Forderer Cornice Works, 269 Fotrero Ave., San Francisco.
Filed Apr. 9, '20. Dated Feb. 24, '20. Payments same as above.....
TOTAL COST, $21,945
Bonds, $11,000 and $11,000. Surety, U. S. Fidelity & Guaranty Co. Limit, 120 days. Forfeit, none. Plans and specifications, none.

(809) CONCRETE WORK ON ABOVE.
Contractor—K. E. Parker Co., 519 California St., San Francisco.
Filed Feb. 9, '20. Dated Mar. 5, '20. Payments same as above.....
TOTAL COST, $126,750
Bonds, $64,000 and $64,000. Surety National Surety Co. Limit, 125 days. Forfeit, none. Plans and specifications, none.

## COMPLETION NOTICES

### Alameda County

April 5, 1920—S BERKELEY WAY 150 E California St., Berkeley. Glennie and Nicholas Hebeisn to J. A. Pinkerton.....April 5, 1920
April 6, 1920—LOT 8 BLK "H" Map Excelsior Heights, Okd. Edna W and H Clay Morris to California Builders Co.....Apr. 5, 1920
Apr. 6, 1920—LOT 23 BLK "D," Lakewood Park, Piedmont. Minnie D Jackson to S G Jackson...Apr. 6, 1920
Apr. 6, 1920—LOT 30 BLK 8 and Lot 1 Blk 8, 4th Ave. Heights, Okd. W J Nicholson to Thad M Tupper.....March 31, 1920
April 7, 1920—NE EVERETT AVE. 350 SE Park Blvd. SE 38xNE 105.40, Oakland. Robert Land to whom it may concern.....April 7, 1920
April 7, 1920—S 33-6 LOT 45 and N 1-6 Lot 46 Blk 8 Map Havenscourt, Okd. Louis Steckler to whom it may concern.....Apr. 5, 1920
April 8, 1920—SE GRAND St. 50 SW Clinton Ave. SW 138 SW 50 NW 138 NE 50, Alameda. B. H. Wyman Taylor to Chas. Burton...April 8, 1920

LIENS FILED.

### Alameda County

Apr. 9, 1920—LOT 3 and Ptn Lot 2, Map Resbdvn Ptn Blk "N" Map Vernon Park, Okd. W B Moody and John Bajuk vs J Kann and Edward Bergenholtz .....$105
April 8, 1920—E ELLIS ST. 100 S Prince St., S 50-6xE 120, Berkeley. Samuel Braun vs. Carlton E. Herrick, Charles L. Williamson and Charles L. Williamson, administrator estate of Mary M. Herrick .....$137.00
Apr. 7, 1920—W TWENTY-THIRD Ave 75 N E-29th St. N 35xW 100, Okd. J. Strabnaw, $150; Chamberlain & Osgood, $27.60; Fred R Bammann, $18.79; Christ Christensen, $19.50; J Oswald, $12.50; Paul Gober, $19.65; E L Blackman Co., Inc $965.72 vs Annie and Adolph Hendrickson and E O Francis and H Carlson (as Francis & Carlson..

## BUILDING CONTRACTS.

### Santa Clara County.

ALTERATIONS
NO. 258 S-SECOND ST., San Jose. Alterations.
Owner—C. C. Navlet, 20-22 E-San Fernando St., San Jose.
Architect—None.
Contractor—J. C. Thorp, First National Bank Bldg., San Jose.
COST, $1360

ALTERATIONS
NO. 236 E-SANTA CLARA ST., San Jose. Alterations.
Owner—Normanden Co.
Architect—None.
Contractor—W. A. McDaniels, 542 S-Eighth St., San Jose.
COST, $500

COTTAGE
NO. 450 DELMAS, San Jose. Cottage.
Owner—W. J. Martin, 748 Delmas, San Jose.
Architect—None.
Days' work. COST, $3000

ADDITION
VIRGINIA AND FOURTH, San Joae. Addition.
Owner—The Shaw Family, Virginia and Fourth, San Jose.
Architect—None.
Days' work. COST, $1000

COTTAGE
JEROME NR. PREVOST, San Jose. Cottage.
Owner—A. McCord, 43 Jerome, St., San Jose.
Architect—None.
Days' work. COST, $1500

## BUILDING CONTRACTS.

### Fresno County.

DWELLING
LOTS 1 AND 2 BLK 10, Dean Park, Fresno. Dwelling.
Owner—Edw. Bier, Clovis, Fresno Co., Cal.
Architect—None.
Day's work. COST, $1000

DWELLING & GARAGE
LOTS 25 AND 26 BLK 58, K. B. Heights Fresno. Frame dwelling and garage.
Owner—Tony Masucci, Fresno.
Architect—None.
Contractor—Frank Leon, Fresno.
COST, $3000

Apr. 2, 1920—LOTS 5 AND 6 BLK 53, E-Fresno. Maude Hauseman to whom it may concern....Apr. 2, 1920
Apr. 3, 1920—LOT 7 BLK 14 Alta Vista, Fresno. Ed Beecham to whom it may concern...Apr. 3, 1920
Apr. 5, 1920—SEC. 19, 20-15, Fresno. Southern Pacific Co to whom it may concern.....Mar. 31, 1920
Apr. 6, 1920—LOT 8 W 25 LOT 5 Blk 13, Wilson North Fresno Tct., Fresno. A Paulette Wilson to whom it may concern..Mar. 15, 1920

DWELLINGS AND GARAGES
LOTS 26 AND 27, AND ½ OF LOT 28, Blk. 60, East Fresno. Three dwellings and garages.
Owner—Fresno Building Corporation, Frearo.
Architect—None.
Days' work. COST, $4000 each

DWELLINGS AND GARAGES
LOTS 1 TO 6, BLK. 43, Alta Viata Tct., Fresno. Six dwellings and garages.

Owner—Fresno Building Corporation, Fresno.
Architect—None.
Days' work. COST, $4000 each

DWELLING AND GARAGE
LOTS 1 AND 2, BLK. 78, K. B. HTS., Fresno. Dwelling and garage.
Owner—J. Busick, 652 C St., Fresno.
Architect—None.
Contractor—Reese & Atkins, 3643 Platt St., Fresno.
COST, $5000

DWELLING AND GARAGE
LOT 1, BLK. 27, ALTA VISTA TCT., Fresno. Dwelling and garage.
Owner—K. Ballment, 1038 S 8th St., Fresno.
Architect—None.
Contractor—Dexter & Burgdorff, Fresno.
COST, $4000

DWELLINGS AND GARAGES
LOTS 56 to 63, BLK. 8, LA SIERRA Tract, Fresno. Four dwellings and garages.
Owner—Central California Land and Improvement Co., 201 Trust Co. Bldg., Fresno.
Architect—None.
Days' work. COST, $5000 each

DWELLING AND GARAGE
BLK. 7, VILLA HOMESTEAD TRACT, Fresno. Dwelling and garage.
Owner—Routt Leonard, Fresno.
Architect—None.
Contractor—G. C. Cannon, 2039 Fresno St., Fresno.
COST, $6000

DWELLING AND GARAGE
LOTS 11, 12, BLK. 11, COLLEGE ADD, Fresno. Dwelling and garage.
Owner—Wm. Hardie, Fresno.
Architect—None.
Contractor—Reese & Atkins, 3643 Platt St., Fresno.
COST, $5000

## NOTICE OF NON-RESPONSIBILITY.

### Fresno County.

April 8, 1920—LOTS 22, 23, BLK. 6, Van Ness Heights, Fresno. E. B. Walthall and W. E. Durfey as to improvements on leased property..

## BUILDING CONTRACTS.

### Sacramento County.

ALTERATIONS
NO. 730 K ST., Sacramento. Remodel store.
Owner—A. Coolott, 2200 T St., Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento.
COST, $4800

FRAME APARTMENTS
NO. 2616 P ST., Sacramento. Two-story frame apartments (4 4-room apts.)
Owner—H. L. Eckman, 2219 P St., Sacramento.
Architect—None.
Contractor—W. P. Saunders, 3770 4th Ave., Sacramento.
COST, $11,800

ASPHALT SURFACING
IN AREA BET. E AND W LINE OF train shed and bet. front face of station and concrete curb parallel to Tct 1, Sacramento. Constructing and installing 13,000 sq. ft. of 2-inch asphalt wearing surface upon existing concrete base of station platform.
Owner—Director General of Railroads and Southern Pacific Railroad.
Architect—None.
Contractor—Clark & Henery Constr. Co., Ochsner Bldg., Sacramento.
COST, 12½c per sq. ft.

## COMPLETION NOTICES

### Sacramento County.

April 7, 1920—W ½ LOT 7, and Bldg. on E ½ lot 6, V-W-23-24, Sacramento. Walter J. Taylor to whom it may concern...April 6, 1920

## ASSIGNMENT OF MECHANIC'S LIEN

### Sacramento County.

Dec. 10, 1919—W ½ OF E ½ LOT 3, K-L-6-7, Sacramento. Harriet A. Knox, Belle Knox and Oscar H. Miller assigns lien to L. G. Soehren ..... $495.42

## LIENS FILED.

### Sacramento County.

April 7, 1920—BLDG. BET. 2-2-20 and 2-7-20 on lot 75, Curtis Oaks, Sacramento. J. Tomlinson vs. H. L. Alder and N. L. Bishop.....$38.50

## BUILDING CONTRACTS.

### San Joaquin County.

RESIDENCE
LOTS 1 TO 19, YOSEMITE SUBDIVISION, Stockton. Residence.
Owner—G. R. Silva, Stockton.
Architect—None.
Days' work. COST, $3000

RESIDENCE
NORTH STOCKTON, Stockton. Residence.
Owner—H. W. Johnson, 301 Sonoma, Stockton.
Architect—None.
Days' work. COST, $3000

RESIDENCE
W FLORA bet. Van Buren and Monroe, Stockton. Residence.
Owner—A. B. Goldsmith, 1715 N Commerce St., Stockton.
Architect—None.
Days' work. COST, $4500

RESIDENCE AND GARAGE
LOT 4, BLK. 13, LAKE PARK, Stockton. Residence and garage.
Owner—J. K. Brown, 445 S East St., Stockton.
Architect—None.
Days' work. COST, $3050

RESIDENCE AND GARAGE
W ROSE bet. San Jose and Orange Sts., Stockton. Residence and garage.
Owner—Arthur Paulson, 2264 E Market St., Stockton.
Architect—None.
COST, $4750

REMODEL
E CHANNEL ST. bet. Stanislaus and Grant, Stockton. Remodel dwelling and build garage.
Owner—Earle O. Brown, Stockton.
Architect—None.
Days' work. COST, $2550

## COMPLETION NOTICES

### San Joaquin County.

April 8, 1920—LOTS 3 AND 4, BLK. 4, Subdivision No. 2, Stockton Acres, in Sec. 4 and 9, T. 1 N., R. 6 E., and Sec. A., Weber Grant, Stockton. Arthur Ray Holland to H. E. Vickroy and H. W. Forgy....Feb. 19, 1920
Mar. 17, 1920—LOTS 13 AND 14 BLK 224, East of Center St., Stockton. Southern Pacific Co by B F Ferris, Asst. B. & B. Supervisor to F D Boese.....Mar. 16, 1920
March 25, 1920—LOT 6, BLK 1, Bungalow Park, Stockton. Stockton Home & Investment Co. to T. E. Williamson.....March 25, 1920
March 25, 1920—LOT 7, BLK. 1, Bungalow Park, Stockton. Stockton Home & Investment Co. to T. E. Williamson .....March 25, 1920

## LIENS FILED.

### San Joaquin County.

Recorded Amount
Mar. 25, 1920—PTN SW ¼ OF SEC. 11 T 2 S, R 8 E, located about 14 miles from town of Ripon. L A Paul vs Loren S Fish.....$61

## BIDS WANTED FOR STAIR WORK AND MASONRY WORK.

SAN FRANCISCO.—Contractor E. E. Etherton, Monadnock Bldg., is taking figures for the masonry work in connection with the construction of the Merced High School. Also for the stair work for the Solano County Hospital building in Fairfield.

## MORE ACTIVITY IS NOTED IN U. S. BUILDING.

With regard to the building situation, S. W. Straus of S. W. Straus & Co., says: "The general tendency of building costs continues uninterruptedly toward higher levels. The demand for new structures of all kinds is growing acute in all parts of the country. There were large gains in construction work reported from all leading cities for March as compared with February, but the exact figures are not completed. However, there have been many adverse factors in evidence. The severe winter weather which existed in many sections of the United States during February and the first half of March has been an important factor in retarding new construction. While there is a shortage of all building materials due primarily to labor conditions, the unseasonable weather restricted the output of such building commodities as sand, gravel, brick and tile, and many large plants were closed down. There also is an acute shortage in structural steel, and many large building projects are being held up because of the stringency in these basic materials.

"Another adverse feature is the car shortage which has grown so acute that one of the large steel companies recently had in its yards from 150,000 to 160,000 tons of finished steel which could not be delivered to the purchasers because freight cars were not available. The car shortage has proved an adverse factor in the coal situation and it is reported that in recent weeks the car supply at the coal mines has seldom been above 60% of normal. The production of coke also has fallen off for a like cause.

"There is lack of production indicated along all lines. What is needed is a determination on the part of all interests connected with the building industry to increase the actual amount of work accomplished.

"Lack of stabilization, unsettled prices, shortage of materials and inadequate housing facilites, both for business and personal uses, will continue until we settle down to a period of steady production and constructive thrift in all lines of endeavor. Hard work and a serious determination to relieve the present great building deficit must prove the underlying cause of stable conditions.

"Until there is a general adoption of these principles of applied thrift, we may expect to find prices tending steadily toward higher levels with a shortage of building supplies and a growing inadequacy of housing conditions everywhere."

## TIMBER DEAL INVOLVES OVER 75,000,000 FEET.

SANTA CRUZ, Cal.—One of the biggest timber deals ever put through in the county was that when William Peery and Isaiah Hartman purchased the H. L. Middleton interest in 2000 acres at the northern end of Santa Cruz and the southern end of San Mateo counties beyond the Big Basin. It is of virgin redwood timber and in the stand are 75,000,000 feet. The greater part will be cut into ties, but there is considerable tan bark.

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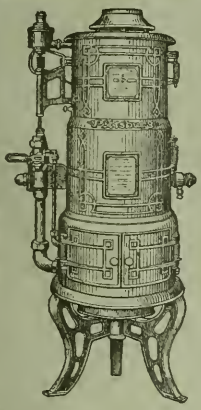

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## NATIONAL HEADQUARTERS

63 East Adams St. Chicago, Ill.

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**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

**Chapter Office** **700 Marston Building** **244 Kearny St., San Francisco**

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# EDITORIAL

## ARGENTINA'S BUILDING PROGRAM

There is a large field for the sale of American construction materials in Argentina, according to a report just made public by the Bureau of Foreign and Domestic Commerce, Department of Commerce, and the investment of American capital in Argentine enterprises is an important factor in securing contracts.

Buenos Aires is in great need of first-class office buildings. Several departments of the government are being crowded out of their old quarters for lack of space and modern hotels and apartment houses of the American type are needed. With the return of normal conditions many model homes for workingmen will also be erected in the suburbs of Buenos Aires. Notices appear in the newspapers of the capital from time to time inviting bids on various public construction enterprises. The time-limit for these is usually short, but if American firms were represented in Buenos Aires, they could secure many such contracts.

The National Council of Education has adopted a large building program for public schools. The plans to be completed in the next few years call for an expenditure of about $8,500,000. The needs of various cities in the Province of Buenos Aires will call for the installation of sewerage and water systems in the near future at a total cost of about $2,300,000.

The various provinces of Argentina have building programs independent of those of the central government, says the report, but also receive federal aid in the execution of many public works. Definite projects in which the central government plans to aid the provincial governments in the immediate future call for an expenditure of $10,000,000 for sewerage and water systems alone.

Argentina has already been an excellent market for iron and steel products for construction purposes. Formerly the imports of cement were considerable, but a large cement plant is now in operation about 200 miles from Buenos Aires, owned by American interests. Lime of unsurpassed quality is found in many parts of Argentine, and the plaster of Paris used is produced chiefly in the country. Clay roofing tiles and roofing slate, and glazed wall and vitrified floor tiles are imported in considerable quantities. Some years ago advertising campaigns were instituted to popularize felt roofing materials, but with only partial success. The chief competitor of this kind of roofing for industrial purposes in galvanized iron sheeting, for which there is good demand. In the past 10 years many skeleton steel structures have been erected. Architects believe that reinforced concrete will be a strong competitor with this type in the future.

The report, which also discusses the market for construction materials in Bolivia, is the result of a first-hand investigation by Trade Commissioner W. W. Ewing. It is known as Special Agents Series No. 188, "Construction Materials and Machinery in Argentina and Bolivia," and can be obtained at 20 cents a copy from the Superintendent of Documents, Government Printing Office, Washington, D. C., or from any of the district and cooperative offices of the Bureau of Foreign and Domestic Commerce.

## U. S. CONTRACT BROKEN ON CALIFORNIA CANAL PROJECT

### Secretary Of Interior Payne Takes Action in Imperial Controversy

### Declared Agreement Made Recently With Irrigation District Only Valid One

EL CENTRO, Calif.,—The contract between the government and the Imperial Laguna Water company, entered into several years ago and authorizing the company to make surveys of the East Side mesa preparatory to the construction of an all-American canal, has been canceled by Secretary of the Interior Payne, according to a message received here by the Imperial Irrigation district from Walter B. Kibbey, its representative in Washington. The message stated the contract between the government and the Imperial Irrigation district had been held valid and the only one in existence.

This ends a controversy, extending over a period of many months, that delayed congressional action on the Kettner bill in the last session, as no conclusion could then be reached on the claims and counter-claims of the two organizations.

The all-American contract was popularly known as the Mark Rose contract, because Rose led in the fight for its adoption.

The reasons said to have been given by Secretary Payne for canceling the contract with the Laguna company were that Rose had failed to fulfill its terms and that the provisions of soldier settlement plans now desired by the public made it unsatisfactory.

The contract between the department of the interior and the Imperial Irrigation district was made later. It provides, as did that with the Laguna company, for connection at Laguna dam.

It is believed a recent conference between Secretary Payne and former Secretary Lane led to the rejection of the Laguna contract. The decision is said to be popular with a majority of the residents of Imperial valley, as it gives the district an opportunity to obtain upopposed legislation in congress at the next session.

## $150,000 SOUGHT FOR PLAYGROUNDS

### Committee of Supervisors Urges Appropriation.

A recommendation for the opening up of new playgrounds and improving existing ones at a cost of approximately $150,000 was made to the Board of Supervisors at the regular meeting of the Supervisors, Education, Parks and Playgrounds Committee Friday morning.

There is no children's playground in the Bay View District, so it was voted to request $75,000 alone for Bay View and $35,000 for Ocean View. Sums needed for improvements in the Mission and San Bruno Road districts were left open. The needs of the Noe Valley and Glen Park playground were not discussed, but will be taken up at the regular meeting next week.

The committee also recommended to the Board of Education that a school be established in the western part of the Park-Presidio district. The bond issue does not include a school in that section. The necessity of one was urged by a delegation of Park-Presidio mothers.

## STATE TAXES FOR YEAR.

SACRAMENTO — State Comptroller John S. Chambers reported that tax receipts for the state, counties, districts and cities for the fiscal years 1918-19 totaled $125,630,577.05. State taxes totaled $21,167,295.10; city taxes, $39,240,584.17, and county taxes, $36,605,374.65. In the matter of the fiscal years of 1919-20, according to Chambers, the only definite figures that can be given out relate to the collection of state taxes and county and district levies. This total is $93,975,794.58.

# American Association of Engineers

### NEWS FROM NATIONAL HEADQUARTERS.

It has been decided that chapter representation at the sixth annual convention of the American Association of Engineers will be proportion to chapter membership. One chapter is entitled to one delegate or more, not to exceed one for each one hundred members. Each delegate is entitled to cast a number of votes equal to the number of certified and junior members in good standing in the chapter which he represents, but not to exceed five hundred in all.

One of the subjects to be discussed is "The Reorganization of A. A. E. on a Business Basis." The suggestion has been made by W. W. K. Sparrow, assistant chief engineer of the Milwaukee, that the association employ a high-salaried paid president. On the evening of the first day of the convention, Monday, May 10, there will be held seven group meetings for various groups of engineers.

Among the subjects to be considered are:

Getting Salary Schedules for Public Service Engineers into Budgets.

What Part Shall A. A. E. Take in the Presidential Campaign?

Making a Chapter a Force in the Community.

The Federal Department of A. A. E.

Opportunities for the Engineer in Each of the Various Branches of the Profession.

Co-ordinating A. A. E. Activities in the State.

---

Senate bill 1258, introduced in the New York Legislature by the New York Chapter of the American Association of Engineers, which provides for the licensing of professional engineers and land surveyors in the State of New York, was endorsed by the New York Section of the American Society of Civil Engineers on March 31 and by the Brooklyn Engineers' Club on the following evening. Both of these organizations have appointed committees to work in the interest of the bill. The bill has also been approved by the Albany Society of Civil Engineers and by the other chapters of A. A. E. in the State of New York. Acting District Secretary L. B. Smith advises that "the prospects of the passing of the bill appear excellent." The members in the State of New York have been extremely active in urging upon their senators and representatives the desirability of passing the bill.

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The various chapters of the American Association of Engineers, comprising the Ohio State Assembly of A. A. E. have agreed to co-operate with the committee of the Ohio Engineering Society in obtaining the passage of a license law in Ohio. The Ohio Technical Association has taken similar action.

The Ohio Engineering Society's committee consists of W. A. Stinchcomb of Cleveland, F. P. Obee of Toledo, A. E. Lawrence of Columbus, E. Bradbury of Columbus, and R. E. Hemple of Warren. This committee has been instructed to report back to the president of the Ohio Engineering Society, Mr. C. L. Rood, a registration bill by the end of April.

The American Association of Engineers, the Ohio Association of Technical Societies and the Ohio Engineering Society are contributing to a fund to defray expenses in connection with the work of obtaining the passage of the bill.

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The Los Angeles Chapter of the American Association of Engineers called the attention of congressmen to the fact that legislation should be pressed to permit the maintenance of gaging stations upon the streams of California which has been established by the water resource branch of the United States Geological Survey.

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The Nashville (Tennessee) Club of the American Association of Engineers was organized on March 27. D. McComb and M. M. Baird are president and secretary, respectively. This is the third A. A. E. organization in Tennessee.

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(An Editorial from the Chicago Tribune.)

### BRAWN TAKES ITS PROFIT FROM BRAINS.

Many thousands of passersby who have been wondering for months whether the new Michigan Boulevard bridge would fit when the two leaves were lowered have been put at ease. Thousands watched as the massive steel frame work descended accurately into the grooves prepared for it.

The demonstration furnishes steel and concrete evidence of the value of an industrial and economic system which fosters and rewards superior mental faculties. The construction of such a bridge is made possible by the fact that scientists and engineers have produced structural steel, and other superior minds have diversified and improved its use.

Without such minds behind them, the laborers could have accomplished nothing. Without the accurately prepared beams and trunnions the most highly skilled structural workers would have been helpless. Without the creative ability of the engineers there would have been no bridge for Chicago and no positions at high wages for those who did the manual work.

The mind which is able to conceive and execute such a structure is developed because it is rewarded by both pay and position. It makes possible the prosperity and comfort of those who otherwise would be crossing the river on tree trunks.

The bridge is a monument to the general value of rewarding ungrudgingly those who contribute by their superior ability to the welfare of all.—Chicago Tribune.

---

The associated engineering societies of St. Louis have protested the appointment of James G. McKelvey, son of the Director of Public Safety James N. McKelvey, as chief engineer of the building department of St. Louis. Mr. McKelvey entered his father's department three years ago as a draftsman. St. Louis "Post Dispatch" states that Mr. McKelvey was recently declared ineligible for junior membership in the American Association of Engineers and that he is 21 years old.

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Chapters and clubs of the American Association of Engineers were represented at a state convention held in Butte, Montana, on March 27, at which plans were outlined for a state organization. R. C. Davis of Butte, Montana, was elected president. The meeting gave a good deal of consideration to the means by which A. A. E. could most benefit engineers in the state.

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### SAN FRANCISCO CHAPTER, A. A. E

The Board of Directors,
San Francisco Chapter, A. A. E.,
244 Kearny St., San Francisco, Calif.

Gentlemen: At the risk of appearing somewhat presumptuous for a new member, I take the liberty of submmiting the following points for your consideration, not in the spirit of criticism, but of constructive suggestion.

Our purpose as set forth in the National Constitution is to promote the social and economic welfare of the engineer. Our technical and educational interests are provided for by the founder and other technical societies.

The accomplishment of this purpose requires organized activity upon our part. The problems confronting us for solution are too many and varied for their solution to be left to Board of Directors alone. Leaving them to the individual members would result only in time lost through lack of direction and purpose.

There remain the various committees, but before these can accomplish anything they must decide upon what specific objects they are to accomplish, and provide themselves with a definite program which to follow. With this done, they can proceed along a definite line of action, and their progress and efficiency can be measured. With a committee remaining a passive body, depending for its activities merely upon its title or casual suggestions received from individual members, little is accomplished.

Our chapter has eight standing committees. As evidenced by their reports in monthly meetings, their efficiency is about 30 per cent, and their acomplishments practically nil.

If a committee chairman cannot be present at a meeting he should see that

a substitute is en hand to deliver his report. If his business affairs are such that his attendance at the majority of meetings is impossible, he should resign his chairmanship in favor of someone who can attend the meetings and keep in touch with the progress of the chapter. A man may perform invaluable service as a member of a committee where demands on his time would not allow him to act as chairman.

If a committee, after having served several months can report no accomplishment or progress, its resignation should be requested, as life is too short to wait an entire year for the appointment of a new committee.

Considerable discussion took place at our last meeting over the character of meetings we should hold. Our lectures have been interesting, entertaining and well attended this year, but the individual members should take an active, not a passive part in them. We will individually derive a great deal more benefit from them by doing something ourselves at them than by having something done for us only.

Mr. Cousins outlined in a recent letter to you, eighteen topics which this chapter should take an active interest in. Pursuing a different branch of engineering, I could present as many more which suggest themselves to me.

There are perhaps half a dozen questions within our jurisdiction which we should be called upon to consider in the immediate future. Our State Legislature meets in less than a year. Before it will come questions of licensing engineers, a department of public works within the State, compensation of engineers in the State employ, our highway program. Our influence in the consideration of these matters should be felt, and we should begin now to inform ourselves upon them.

Such questions of immediate interest, and not generalities, should form the subject of discussion at our meetings, and while especially qualified outside men should be called in to give a short talk on the subject for the evening, the greater part of it should be undertaken by the members of the chapter. A series of short snappy five-minute talks by a dozen members who had prepared their subject beforehand, would eliminate a lot of extemporaneous oratory with which we have been inflicted. In this way the members would individually benefit by their part in the discussion, and the interest in the meetings would not be lessened. The chapter as a whole would also become a more vital factor in present day affairs.

Thanking you in advance for your attention of the above, I am,

Very truly yours,
DONALD M. BAKER,
Irrigation Engineer.

## CO-OPERATION BETWEEN ENGINEERING SOCIETIES.

**By Major V. D. Cousins.**

The engineers of America are confronted with a conflict among the various engineering societies. It is not a petty squabble, but a very serious situation. These societies belong to us and may be redesigned as necessary to function in an efficient manner to perform the work we wish them to do. It is usually customary for engineers to approach a problem in an open-minded manner, but in the present instance our leaders appear to have deviated from this policy and have, in fact, decided the case before the evidence has been submitted to the jury.

Let us start anew and list the functions which the desirable in societies of engineers, and try to state the problem so that the designers can begin the work of modifying the old society machinery so it will function properly to meet the new conditions.

First, we want a national grouping of engineers under their technical leaders, interested in the various specialties which will permit the free suggestion and discussion of technical practices common to the men affiliated with that group.

Second, we want a subdivision of the technical groups in all communities so as to enable these technical discussions to take place with a minimum of inconvenience and expense to the members.

Third, we want an assembly of these groups in each community to secure a transfusion of semi-technical knowledge among all the engineers of all the groups in the community.

Fourth, we want an assembly of these groups in each community to take an active part in the public affairs of the community and render constructive engineering service to the citizens of the community. Conversely we want this assembly to secure all benefits for its individual members to which they are reasonably entitled.

Fifth, we want a convention of delegates from these assemblies to take an active part in the national public affairs and render constructive service to the American public, while securing to the engineering profession those rewards to which it is entitled.

Sixth, we want a national board of directors in constant session with considerable power and authorized to act in accord with the policy laid down by the convention or expressed by letter ballot voted upon by all of the assemblies. This board of directors would be engaged in attending to national public affairs which affect the engineering profession.

Seventh, we want the national groups proposed in the first paragraph to be dominated by the most technical brains in the profession, and the national board of directors proposed in the sixth paragraph to be composed of the best political and economic brains in the profession and we want the two sets of leaders to co-operate in all matters without friction by the proper division of jurisdiction. Thus we shall have technical leaders and political or economic leaders.

Eighth, we want as many technical journals published as needed to properly cover the field of engineering discussion, and one non-technical journal published to cover the entire field of ethics, economics, public service and welfare of the engineering profession.

Ninth, we want an absolute democracy in the assemblies, a representative government in the national convention and real believers in democracy on the board of directors which govern the engineers on economic subjects.

Tenth, we want local control of all local groups and authority to deal with local affairs without dictation from the national leaders, but are desirous of referring resolutions on all national questions to the proper leaders for decision and action.

Now that we have stated the needs for society machinery to perform these various functions let us analyze the existing organizations and determine what changes, if any, are needed to adapt them to the ideal arrangement. The first group mentioned is already in existence today. The various national technical societies are serving the profession admirably along the lines of technical discussion.

The second group is a counterpart of the local chapters of the various national technical societies. The third piece of society machinery is not well established and, except on infrequent occasions, no efforts are made to bring the members of local technical chapters together for semi-technical discussions. The fourth grouping arrangement is now in existence under the local chapter machinery established by the American Association of Engineers. The fifth group is now established in the Annual Convention of the American Association of Engineers. The sixth group is represented by the Board of Directors of the American Association of Engineers. To secure the seventh desire, we need nothing more than the co-operation between the American Association of Engineers and each of the National Technical Societies or the same co-operation between Engineering Council and the Board of Directors of the American Association of Engineers, assuming that Engineering Council is composed of the Presidents or equally responsible leaders and therefore truly represents the technical interests of all technical men in the various organizations. This co-operation is quite simple to attain, once the division of functions is definitely established in a logical manner. The eighth desire we have attained now that "Professional Engineer" is appearing to present the economic, ethical and social problems of engineers. The ninth and tenth desires are granted by the liberal constitutions adopted and broad gauge control exercised in the American Association of Engineers.

If you and I, as engineers, desire the foregoing society arrangements we can write our leaders and insist on this plan of operating the existing machinery. It is difficult to ascertain what "darkey in the fuel" is preventing the voluntary co-operation between the National Council and the Board of Directors of the American Association of Engineers. It is possible that the distance between Chicago and New York prevents friendly discussion daily around the banquet table, so we may find it necessary to move the mountain to meet Mahomet or vice versa, or both, in order to smoke out the darkey in a typical San Francisco business way. It will never be brought about by diplomatically worded letters between the secretaries.

Local chapters of all technical and non-technical engineering societies are requested to discuss, approve, modify or reject this plan and forward recommendations to their national headquarters at once as only in this way will we get action in clearing away the fog which apparently is settling more and more over the question of Co-operation between Engineering Societies.

# ADVANCE NEWS
## Official Proposals, Etc.

### APARTMENT HOUSES.

Contract Awarded.
ALTERATIONS Cost, $15,000
SAN JOSE, Santa Clara Co., Cal. No. 169 Park Avenue.
Alter two-story frame apartments.
Owner—M. Mills.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—P. T. Jorgensen, Naglee & Dana Sts., San Jose.

Plans Being Prepared.
APARTMENTS Cost, $35,000
SAN FRANCISCO. Bush Street. Lot 25x100.
Five-story and basement reinforced concrete apartments (7 3 and 4-room apts).
Owner—Withheld.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Completing Plans. Ready for Figures First of Next Week.
APARTMENTS Cost, $——
SAN FRANCISCO. Richmond District (Corner Lot).
Three-story frame and plaster apartments (5 5-room apts).
Owner—Withheld.
Architect—Alfred I. Coffey, Humboldt Bank Bldg., San Francisco.

Plans Being Prepared.
APARTMENTS Cost, $150,000
LONG BEACH, Los Angeles Co., Cal. Corner Ocean Blvd. and Daisy Ave.
Six-story and basement brick apartment house (55 2 and 3-room apts.)
Owner—Ed. Herwick, Natalie Apts., Long Beach.
Architect—Chas. H. Russell, Story Bldg Los Angeles.

Revising Plans.
APARTMENTS Cost, $25,000
OAKLAND, Alameda Co., Cal Cottage and Ohio Streets.
Two-story frame apartments (8 3 and 4 room apts.)
Owner—Hilson Bros.
Architect—A. A. Cantin, 68 Post St., San Francisco.
The original plans called for 12 apartments.

Segregated Figures Being Taken.
APARTMENTS, ETC. Cost, $75,000
SARATOGA, Santa Clara Co., Cal.
Six one-story and 1 two-story hollow tile and terra cotta cottages and apartments.
Owner—Saratoga Inn Cptn.
Architect—T. Patterson Ross, 310 California St., San Francisco.

Contract Awarded. Sub-Figures Wanted by Contractor.
APARTMENTS, ETC. Cost. $9,000
CROCKETT, Contra Costa Co., Cal.
Two-story reinforced concrete market and apartments.
Owner—Albert Elgin.
Architect—Not Given.
Contractor—Karl Koller, Crockett, Cal.

### BANKS

Plans Prepared. Work to be Started Shortly.
BANK Cost, $——
LOLETA, Humboldt Co., Cal.
One-story reinforced concrtee and granite Bank (28 feet frontage.)
Owner—Bank of Loleta.
Architect—F. F. Georgeson, 4th and E Sts., Eureka.
NOTE:—Work will be done under the supervision of Murray Pine.
Directors of the Bank are: Robert O. Dickeon, H. C. Hansen, C. S. Rasmussen, Walter F. Dickson and E. Hill, Cashier.

SAN FRANCISCO.—Up to April 16th, 10 A. M., bids will be received by the Zone Supply Officer, Fort Mason, for furnishing and delivering under Circular No. 279 the following materials: Cast brass, lumber, taps and washers.

Under Circular No. 277 bids will be received up to April 22nd, 10 A. M., for furnishing and delivering: Branding irons, pressure gauges, tubes, packing boxes, burial coffins, shovels, taper pin reamers, toe calks, repair parts for clipping machines, drill chuck, filing cabinets, transfer cases, drills, hinges, files, lime, belting, band and circular saws, rivets, twist drills, locks, latches, kitchen equipment, gasoline pumps, tool holders and blank keys.

### BONDS.

TOMALES, Marin Co., Cal.—Bonds of $30,000 have been voted for the proposed addition to the Tomales Union High School. The addition will provide quarters for the manual training and domestic science departments.

RICHMOND, Contra Costa Co., Cal.—The Board of Education has cancelled the proposed bond election for $565,000 to finance school construction owing to an irregularity in the Proceedings and a new date will be set in the immediate future.

It was planned to hold the election April 14th.

OAKLAND, Cal.—June 8th is the date set by the City Council for the bond election for $3,981,000 municipal improvements to be voted on. These improvements include Lake Merritt water park, eleven branch libraries and five parks and fine arts museum and other buildings.

TUCSON, Ariz.—An election will be held May 15 to vote on issuing $40,000 bonds for constructing two subways at the Stone and Sixth Ave. railroad crossings. The Southern Pacific Railway Company will pay half the cost of the subways.

TULARE, Tulare Co., Cal.—A bond issue of $10,000 by the Tulare Home Telephone & Telegraph Company has been authorized by the Railroad Commission. The Commission's order provides that the money secured through the sale of the bonds is to be used as follows:

Purchase new section switchboard $2500.

Installing new cable, $4200.

Installing 65 new telephones, $1300.

Reimburse treasury for capital expenditures, $2000.

MADERA, Madera Co., Cal.—Up to May 4th, 10 A. M., bids will be received by W. R. Curtin, County Clerk, for the purchase of the following school bond issues, the proceeds of which, in each case, will be used to finance construction of school improvements:

Madera City School District....$71,500
Central School District..... 12,000
Bethel School District..... 7,200

Thos. B. Wiseman of Bakersfield is the architect for the Madera School.

### CHURCHES.

Plans Being Prepared.
CHURCH Cost, $500,000
LOS ANGELES. SW 8th and Hope Sts.
Fireproof church.
Owner—First Methodist Church.
Architect—John C. Austin, 1125 Baker-Delwiler Bldg., Los Angeles.

### FACTORIES AND WAREHOUSES.

Contract Awarded. Work Started.
CANNERY Cost, $125,000
VISALIA, Tulare Co., Cal.
Reinforced concrete cannery.
Owner—California Co-Operative Canneries.
Engineers and Contractors, Wallace & Bush, Bank of San Jose Bldg., San Jose.

Construction to Start Shortly.
FACTORY BUILDING Cost, $60,000
SAN JOSE, Santa Clara Co., Cal. Old Luna Park.
One-story steel frame, brick and mill-type factory building, 90x360.
Owner—National Axle Co., San Jose.
Industrial Engineers & Builders—The Austin Co., Pacific Bldg., San Francisco.
(Mr. John Harnish, District Manager)

Plans Ready for Figures Next Week.
ALMOND SHELLING PLANT Cost, $100,000.
SACRAMENTO, Cal. Corner 19th and C Streets.
Four-story reinforced concrete almond shelling plant.
Owner—California Almond Growers' Exchange, 1809 C St., Sacramento.
Architect—Geo. C. Sellon, 1005 8th St., Sacramento.
Plans will be ready for figures on April 21st.

Contract Awarded. Work Started.
CANNERY Cost, $125,000
VISALIA, Tulare Co., Cal.
Reinforced concrete cannery.
Owner—California Prune & Apricot Growers Association, San Jose.
Engineers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Plans Prepared.
CANNERY Cost, $15,000
LOS GATOS, Santa Clara Co., Cal.
Reinforced concrete cannery.
Owner—California Prune & Apricot Growers Association, San Jose.
Engineer and Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Plans Being Prepared
CANNERY Cost, $15,000
SUNNYVALE, Santa Clara Co., Cal.
Reinforced concrete cannery.
Owner—California Prune & Apricot Growers Association.
Engineers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Contract Awarded.
LAUNDRY PLANT Cost, $14,000
VALLEJO, Solano Co., Cal. Marin and Pennsylvania Streets.
First unit of laundry plant. One-story concrete building, 50x130.
Owner—Vallejo Steam Laundry. Prem.
Designer & Contractor—W. O. Crosby, Vallejo, Cal.

Plans Being Prepared.
CANNERY Cost, $——
IRVINGTON, Alameda Co., Cal.
Steel and galvanized iron cannery.
Owner—California Prune & Apricot Growers Association.
Engineers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Contract Awarded. Work Started.
CANNERY Cost, $125,000
MODESTO, Stanislaus Co., Cal.
Reinforced concrete and galvanized iron cannery.
Owner—California Co-Operative Canneries.
Engineers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Contract Awarded.
ADDITION Cost, $55,000
SACRAMENTO, Cal. No. 1215-31 Front Street.
Two-story brick and concrete addition to one-story warehouse.
Owner—W. A. Curtis Estate, 115 J St., Sacramento.
Engineer—F. H. Reynolds, Forum Bldg., Sacramento.
Contractor—A. W. Norris, 3020 G St., Sacramento.

George E. Kingsley, President of the General Reduction & Chemical Co., Salt Lake City, Utah, has announced plans for the construction in San Francisco of a $500,000 branch of the company. He will leave Salt Lake City May 1 for San Francisco to start the work.

The company is engaged in the manufacture of white lead, paint pigments, dyes, fertilizers, printers' ink and tree sprays from low grade lead, zinc and iron ores. The products are made by the Kingsley process of chemical reduction.

Plans Being Prepared.
SHED Cost, $60,000
SAN FRANCISCO. Pier No. 20.
Extend pier 150 feet and erect one-story shed (creosoted piles).
Owner—Board of State Harbor Commissioners.
Engineer—R. G. White, Ferry Bldg., San Francisco.

STOCKTON, San Joaquin Co., Cal.—No bids were received by the City Council for the construction of a steel shed on the north side of the water front and the work was ordered done by day labor under the supervision of City Engineer Hogan.
A. L. Banks is City Clerk.

SANTA ROSA, Sonoma Co., Cal.—A site has been donated and work will be started in the near future on a $30,000 jam factory for Roscoe Haegelin, Care the Kellogg Toasted Corn Flake Co., Call Bldg., San Francisco. Efforts to secure further information on the project failed, as Mr. Haegelin is at present out of town.

FALLON, Nevada—The local offices of the Humboldt Potash Company have been instructed to proceed with the construction of a large chemical plant at Fallon. The main offices of the company are located in New York.

Contract Awarded. Work Started.
CANNERY Cost, $60,000
HANFORD, Kings Co., Cal.
Reinforced concrete cannery.
Owner—California Co-Operative Canneries.
Engineers and Contractors—Wallace & Bush, Bank of Italy Bldg., San Jose

Owner Taking Sub-Figures.
REPAIR SHOP Cost, $7,500
SAN FRANCISCO. S Ellis Street 192-6 W Larkin Street.
One-story brick auto repair shop.
Owner—Oliver Flahavan, 2290 Vallejo St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
NOTE:—Work will be done by days labor.

Contract Awarded. Plans to be Prepared.
FACTORY Cost, $——
SAN FRANCISCO. SE Fifth and Shipley Streets.
Four-story reinforced concrete candy factory, 75x125.
Owner—Ackerman & Harris & Prager.
Lessee—Angeles Candy Co., 1155 Mission St., San Francisco.
Architects—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.
NOTE:—Excavation will start Monday.

Contract Awarded
WAREHOUSE Cost, $250,000
SAN FRANCISCO. SW Bryant and Rincon (Bet. 1st and 2nd Sts.)
Five-story reinforced concrete warehouse, 160x160.
Owner—The Ondawa Co., 268 Lee St., Oakland.
Architect—Earl B. Scott, Humboldt Bk. Bldg., San Francisco.
Engineer—W. H. Ellison, 369 Pine St., San Francisco.
Contractor—Clinton Construction Co., 140 Townsend St., San Francisco.

WAREHOUSE Cost, $60,000
SAN FRANCISCO. In vicinity of 12th and Howard Streets.
One-story and basement "C" warehouse
Owner—Withheld.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Contract Awarded On a Percentage Basis. Sub-Figures to be Taken Shortly.
FACTORY Cost, $65,000
SAN FRANCISCO. Twentieth Street Bet. Shotwell and Folsom.
One-story brick factory building, 100 x245.
Owner—National Radio Company.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Contractor—Ruegg Bros., Pacific Bldg., San Francisco.

## FLATS.

Plans Being Prepared.
FLATS Cost, $15,000
SAN FRANCISCO. Vallejo Street near Jones.
Two-story frame and plaster (2) flats 6 rooms each.
Owner—L. Hartes, Oakland.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Bids in and Under Advisement.
SHOP AND FLATS Cost, $14,000
SAN FRANCISCO. Lombard Street near Van Ness Avenue.
Two-story concrete and frame machine shop and 2 4-room flats.
Owner—Withheld.
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

## GARAGES.

Plans Being Prepared.
GARAGE Cost, $70,000
SAN FRANCISCO. W Beale 137-6 N Mission Street.
One-story and basement reinforced concrete garage (pile foundation).
Owner—McKillop Bros.
Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.
When plans are completed sub-figures will be taken by the owners, who are contractors.

Contract Awarded.
GARAGE Cost, $60,000
LOS ANGELES, Cal. Ottawa Street near Eleventh St.
Two-story concrete garage building.
Owner—Troy Motor Sales Co.
Architect & Contractor—Stanton, Reed & Hibbard, Metropolitan Bldg., Los Angeles.

Contract Awarded.
GARAGE Cost, $20,000
NAPA, Napa Co., Cal. Third and Randolph Streets.
One-story reinforced concrete garage.
Owner—J. Thibaut, Napa.
Designer & Contractor—F. A. Younger, Napa.

Plans Being Prepared.
GARAGE, ETC. Cost, $——
SANTA CRUZ, Santa Cruz Co., Cal. NW Front and Sequel Avenue.
One-story concrete and brick garage and battery station, 60x150.
Owner—Adolph Glootz & A. G. Adams, Santa Cruz.
Architect—Not Given.

Plans Being Figured.
GARAGE Cost, $50,000
VISALIA, Tulare Co., Cal. Locust St.
Two-story reinforced concrete garage.
Owner—Jas. Seabright.
Architects—Glass & Butner, Hearst Bldg., San Francisco, and Cory Bldg., Fresno.
Figures will be taken from San Francisco and Southern California contractor.

Plans Being Figured.
GARAGE Cost, $35,000
SAN FRANCISCO. NE Sixteenth and Albion Avenue.
Two-story reinforced concrete garage.
Owner—Rudolph J. Taussig.
Architect—J. L. Stewart, 1214 Claus Spreckels Bldg., San Francisco.
Figures are being taken for a general contract.

## GOVERNMENT WORK & SUPPLIES.

MARE ISLAND, Cal.—Two bids were received by the U. S. Government Bureau of Yards and Docks, Navy Department on April 14th for power-house extension at Agana, Guma, power-house extension, quarters, a pump house and a blower house at the naval radio station, Guma, Island of Guma.

The Pittsburg Desmoines Steel Co. submitted the following bid at Washington, D. C.:

(1) $83,700, 270 days; (2) $25.00; (2a) $7.50.

Alfred H. Vogt of San Francisco submitted the only bid at Mare Island as follows:

(1) $87,566; (2) $25; (2a) $——.

WASHINGTON, D. C.—The Bureau of Yords and Docks, Navy Department, Washington, D. C., has rejected bids received for work under Specification No. 4116, double quarters and alterations to 3 existing buildings, Yerba Buena Island, San Francisco Bay.

Work will be done by days labor.

NAVY DEPARTMENT, Washington, D. C., Office of the Chief of the Bureau of Yards and Docks—Bids are wanted until April 28, specification 4114, for refrigerating plant, bakery, and laundry equipment at the U. S. Marine Corps base, San Diego, Calif. For information address Chief of Bureau.

WASHINGTON, D. C.—Up to April 29th, 10:30 a. m., bids will be received by the General Purchasing Officer, The Panama Canal, Washington, D. C., for furnishing and delivering under Circular No. 1361, the following materials:

Power hacksaw, show cases, dies or chasers, hand trucks, copper cloth, fire clay, foundry clay, coal-tar pitch, fire bricks, salt bricks, dinner knives, chinaware, rubber boots, corkboard, artificial leather, sheet packing, sandpaper, cotton canvas, cotton sheating, paper drinking cups, and lumber.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing and delivering the following materials. The time of opening bids is noted at the end of each paragraph.

Schedule 5917, for Puget Sound, miscellaneous steel forgings, opening of April 30.

Schedule 5929, for eastern and western yards, 8 lubricating oil pumps, opening of May 4.

Schedule 5938, for Mare Island, 20,000 gallons kerosene oil, opening of April 30.

Schedule 5941, for Mare Island, white pine, opening of May 4.

Schedule 5942, for eastern and western yards, miscellaneous hacksaw blades, opening of May 4.

Schedule 5943, for eastern and western yards, iron pipe fittings, opening of May 4.

Schedule 5944, for eastern and western yards, tinned asparagus, opening of May 4.

Schedule 5945, for eastern and western yards, composition pipe fittings, opening of May 4.

Schedule 5919, for Mare Island, 15 water closets, opening of April 30.

For further information address the Bureau of Supplies and Accounts, Navy Department, Washington, D. C.

SAN FRANCISCO—The bid of the San Francisco Bridge Co., San Francisco, at $388,200 has been accepted for dredging off part of Dos Rios Island, Sacramento river, bids for which were opened March 22 by the U. E. Engineer Officer at San Francisco.

## HALLS AND SOCIETY BUILDINGS.

Plans Being Prepared.
LODGE BLDG. Cost, $75,000
TURLOCK, Stanislaus Co., Cal.
Two-story brick and terra cotta lodge building.
Owner—Turlock Masonic Temple Ass'n.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Figured. Bids Close April 29, 1920.
ADMINISTRATION BLDG. Cost, $——
FOREST GROVE, Oregon. 1 Mile East of Forest Grove.
Two-story and basement reinforced concrete administration building.
Owner—Masonic and Eastern Star Home.
Architect—W. C. Knighton, 404 U. S. Bank Bldg., Portland, Ore.

Preliminary Plans Being Prepared.
ADDITION Cost, $50,000
GILROY, Santa Clara Co., Cal. Montgomery Street.
Two-story concrete addition to present Masonic Lodge Building, 50x70.
Owner—Masonic Temple Association, Keith Lodge, Gilroy, Cal.
Architect—A. L. Phillips, Gilroy, Cal.
NOTE—Addition will contain dance hall and banquet room, club quarters, etc. W. H. Weeks of San Francisco has also prepared preliminary plans.

Plans Being Prepared.
ADDITION Cost, $——
SAN FRANCISCO. NW Post and Mason Streets.
Twelve-story Class "A" addition to club building.
Owner—Olympic Club, Premises.
Architect—John Baur, 251 Kearny St., San Francisco.
The club has just purchased this property and plan to erect an addition to their club as a hotel for its members. The exact heigth of the building has not been decided.

Preliminary Plans Being Prepared.
TEMPLE Cost, $——
GILROY, Santa Clara Co., Cal.
Fireproof Masonic Temple.
Owner—Gilroy Masonic Temple Association.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans Being Figured.
CITY HALL, ETC. Cost, $——
VENTURA, Ventura Co., Cal.
Two-story and basement brick library and City Hall building, 200x250.
Owner—City of Ventura.
Architect—Alfred F. Priest, 615 Fay Bldg., Los Angeles.

Contracts Awarded.
FRATERNITY HOUSE Cost, $——
BERKELEY, Alameda Co., Cal. Piedmont Avenue and Channing Way.
Three-story frame and plaster Fraternity house.
Owner—Alpha Delta Phi.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
**Concrete work** to Jepson Bros., 1721 Francisco St., Berkeley.
**Carpenter Work** to Wm. Livington, 2918 Ellis St., Berkeley.
**Roofing and Sheet Metal Work** to Forderer Cornice Works, 269 Potrero Ave., San Francisco.
**Plumbing** to Carl T. Doell, 469 21st St., Oakland.
**Heating** to Scott Co., 381 11th St., Oakland.
**Plastering** to Wm. Makin, 2838 Beaumont Ave., Oakland.
**Brick Work** to White & Gloor, Monadnock Bldg., San Francisco.
**Electric Work** to Berkeley Electrical Co., 2142 Center St., Berkeley.
**Painting** to D. Zelinsky, 422 Turk St., San Francisco.

## HOTELS.

Contract Awarded.
HOTEL. Cost, $——
MANTECA, San Joaquin Co., Cal. California-Main street.
Two-story brick hotel (50-foot frontage).
Owner—Frank Chadek, Manteca, Cal.
Architect—Not given.
Contractor—H. J. Ross, Manteca, Cal.

HANFORD, Kings Co., Cal.—A committee of business men has purchased a site, 150x150 feet, to be turned over to a hotel company which they expect to be formed to build a hotel in Hanford. The committee consists of Geo. C. Aydelott, S. P. Ross and F. V. Dewey.

WOODLAND, Yolo Co., Cal.—Directors of the Woodland Hotel Company, recently organized, announce that $130,230 of the $250,000 has been pledged for the proposed new hotel building and it is expected that within two weeks the balance will be available.

Following are directors of the newly formed company:

G. N. Merritt, president; P. T. Laugenour, vice president; H. J. Bush, secretary; W. G. Stephens, treasurer and Fred Shaffer, assistant to the secretary

## POWER PLANTS.

Plans Being Figured. Bids Close Apr. 30, 11 A. M.
POWER HOUSE, ETC. Cost, $——
OLYMPIA, Washington.
Power house, chimneys and tunnles, heating plant and mechanical equipment.
Owner—State of Washington.
Architects—Wilder & White, 50 Church St., New York City, Represented by Bebb & Gould, Securities Bldg., Seattle, Wash.
Work must be completed by December 1st, 1920.

Figures to be Called for Next Week.
SUB-STATION Cost, $60,000
ALAMEDA, Alameda Co., Cal. Webster St. and Atlantic Ave.
One-story reinforced concrete substation (with compartments).
Owner—City of Alameda.
Engineer—J. B. Kahn (City Electrician) South End of Park St., Alameda.
The pile foundation is now being constructed by Mervy-Elwell Co. Transformers, etc., awarded to the Westinghouse Elec. Mfg. Co.
Plans will be ready for figures about April 20th, and will be obtainable at Mr. Kahn's office on a deposit of $25.

## PUBLIC BUILDINGS

Contract Awarded.
COURT HOUSE Cost, $158,700
INDEPENDENCE, Inyo Co., Cal.
Reinforced concrete and terra cotta court house.
Owner—Inyo County.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—McCombs & Sons, Bishop, Calif.
NOTE:—As far as could be ascertained today this contract includes practically all work.

Plans Being Figured. Bids Close May 3, 1920, 10 A. M.
COURT HOUSE Cost, $150,000
RED BLUFF, Tehama Co., Cal.
Two-story concrete and interlocking tile fireproof County Court House.
Owner—County of Tehama. H. G. Kuhn, County Clerk.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Plans, specifications and bid blanks may be obtained from the office of H. G. Kuhn, County Clerk, at Red Bluff or the Architects' office. Deposit of $25 required.

FAIRFIELD, Solano Co., Cal.—Up to May 3rd, 11 A. M., bids will be received by G. G. Halliday, County Clerk, for furnishing and delivering one double space metal standing desk containing 234 roller book shelves for use in the County Recorder's Office.

SACRAMENTO, Cal.—Only one bid was received on April 13th by W. F. McClure, State Engineer, for furnishing all plant, materials, and labor, and doing the work required for the complete furnishing and installing of Two Gearless Traction Passenger Elevators in the San Francisco State Building, Civic Center, San Francisco, as follows:
Otis Elevator Co., Beach and Stockton Sts., San Francisco, $33,680.

STOCKTON, San Joaquin Co., Cal.—A. L. Banks, City Clerk, will receive bids up to April 27th, 10:30 A. M., for labor and materials necessary for the construction of toilets and showers at Oak Park.
Certified check of 10% payable to City Clerk required.

## RESIDENCES.

Contract Awarded.
RESIDENCE Cost, $50,000
LOS ANGELES. Windsor Square.
Two-story and basement frame and plaster residence (16 rooms).
Owner—J. L. Byrne.
Architect—Frank Meline, 6779 Hollywood Blvd., Los Angeles.

Contract Awarded.
ALTERATIONS Cost, $4,270
SAN FRANCISCO. No. 2231 Clay St.
Alterations and additions to frame residence.
Owner—John I. Walter, Premises.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.

Plans Being Prepared.
RESIDENCES Cost, $6,000 each
SAN JOSE, Santa Clara Co., Cal.
Three frame residences.
Owner—Withheld.
Architects—Binder & Curtis, 255½ S-First St., San Jose.

Plans Being Prepared.
RESIDENCE Cost, $15,000
Frame residence.
SAN JOSE, Santa Clara Co., Cal.
Owner—Withheld.
Architects—Binder & Curtis, 255½ S-First St., San Jose.

Bids in and Under Advisement.
RESIDENCE. Cost, $20,000
PACIFIC GROVE, Montery Co., Cal.
Frame and plaster residence (tile roof).
Owner—M. E. Fall.
Architect—Warren C. Skkillings, Garden City Bank Bldg., San Jose.

Plans Being Figured.
RESIDENCES Cost, $4,000 each
FRUITVALE, Alameda Co., Cal. Derby Tract near the Post Office.
Three one-story terra cotta tile five-room residences 28x40 and garage, 10x18 (6 inch exterior walls and 4 inch interior walls).
Owner—O. F. Fisher.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
These are the first hollow tile dwellings to be erected under the new Oakland Building Laws and will be used as an example to try and have the thickness of the interior walls to three inches.

Contract Awarded.
RESIDENCE & GARAGE. Cost, $35,000
WEST HOLLYWOOD, Los Angeles Co. Hacienda Park.
Two-story frame and plaster residence and garage (15 rooms and 3 bathrooms).
Owner—Wallace Reid.
Architect and contractor—Frank Meline, 6779 Hollywood Blvd., Los Angeles.

Contract Awarded.
RESIDENCE & GARAGE. Cost, $30,000
LOS ANGELES. Vine St. N of Franklin Ave.
Two-story frame and plaster residence and garage (13 rooms and 3 bathrooms.
Owner—Tully Marshall.
Architect and contractor—Frank Meline, 6779 Hollywood Blvd., Los Angeles.

Contract Awarded.
RESIDENCE & GARAGE. Cost, $30,000
LOS ANGELES, Cal. Beverly Hills.
Two-story frame and plaster residence and garage (13 rooms and 3 bathrooms).
Owner—Norman B. Pabst.
Architect and Contractor—Frank Meline, 6779 Hollywood Blvd., Los Angeles.

To be Done by Days Labor.
DWELLINGS Cost, $3,000 each
SANTA ROSA, Sonoma Co., Cal. Nos. 420-24-28 College Ave., and Nos. 421-23-25 Lincoln Ave.
Six one-story 5-room dwellings.
Owner—James S. Sweet, 607 Cherry St., Santa Rosa.
Architect—None.

Plans Being Figured. Bids Close in One Week.
RESIDENCE Cost, $14,000
SAN JOSE. Santa Clara Co., Cal. S 12th St. near San Carlos.
Two-story frame residence.
Owner—Mrs. William Haller.
Architect—Herman Krause, Bank of San Jose Bldg., San Jose.

Completing Plans. Figures to be Called For Next Week.
RESIDENCE Cost, $15,000
BERKELEY, Alameda Co., Cal.
Two-story frame and plaster residence (11 rooms).
Owner—C. O. Flint, Plaza Drive, Oakland.
Architect—B. G. McDougall, 301 Alta Bldg., San Francisco.

Plans Being Figured.
FARM HOUSE, ETC. Cost, $——
ALAMEDA COUNTY. Near Mission San Jose.
Two-story frame farm house and group of farm buildings.
Owner—J. A. Bunting.
Architect—E. W. Cannon, Central Bk. Bldg., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $10,000
OAKLAND, Alameda Co., Cal.
One and one-half-story and basement frame and plaster residence and garage (6 rooms).
Owner—W. D. Gray.
Architect—J. W. Dolliver, Rm. 418, 110 Sutter St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $13,000
PEBBLE BEACH, Monterey Co., Cal.
One and one-half-story and basement frame residence (7 rooms and 3 bathrooms).
Owner—A. M. Kaimes.
Architects—Arthur W. Angel and Paul V. Tuttle, Associate, 565 Lighthouse Ave., Pacific Grove, Cal.
Contractor—Del Monte Properties Co., Pacific Grove, Cal.

Bids In and Under Advisement.
RESIDENCE Cost, $8,000
SAN JOSE, Santa Clara Co., Cal. Chapman St. off The Alameda.
Two-story frame residence.
Owner—Mr. Kinnard.
Architect—Warren S. Skillings, Garden City Bank Bldg., San Jose.

Contract Awarded.
COTTAGE Cost, $12,000
SAN JOSE, Santa Clara Co., Cal. North First Street near George St.
One-story frame cottage.
Owner—Warren Holmes.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—J. B. Lamb, 640 S-11th St., San Jose.

Contract Awarded. Work Just Started.
RESIDENCE Cost, $12,000
PALO ALTO, Santa Clara Co., Cal. Runnymeade.
Two-story frame and plaster residence.
Owner—M. C. Gallagher.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—J. F. Collins, Palo Alto.

Plans Being Prepared.
RESIDENCES
Cost, $9,000, $15,000 and $20,000 respectively.
SAN JOSE, Santa Clara Co., Cal.
Three frame residences.
Owners—Names Withheld.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Francisco.

Completing Plans. To be Done by Days Work.
RESIDENCES Cost, $7,500
SAN FRANCISCO. Southwood Drive.
Two one-atory and basement frame and plaster residences and garages (5 rooms).
Owner—Bauer & Quinn, 2506 23rd Ave., San Francisco.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $9,000
REDWOOD CITY, San Mateo Co., Cal.
One-story and basement frame and plaster residence and garage (7 rooms).
Owner—Mr. Otzen.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

April 13, 1920.

Contract Awarded.
RESIDENCE Cost, $9,740
SAN FRANCISCO. NW Madrid and Rolph Streets.
One-story and basement frame residence.
Owner—Chas. Greer, 129 Julian Ave., San Francisco.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.
Contractor—Andrew Olson, 289 Fell St., San Francisco.

Plans Being Figured.
COTTAGE Cost, $10,000
GILROY, Santa Clara Co., Cal.
One-story frame cottage.
Owner—Joe Felice.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Contract Awarded.
RESIDENCE Cost, $45,000
LOS ANGELES, Cal. Los Feliz Blvd. near Vermont Avenue.
Two-story frame residence.
Owner—Victor Schertzinger.
Architect & Contractor—Frank Meline, 6779 Hollywood Bldr., Los Angeles

## SCHOOLS.

Plans Being Prepared.
SCHOOL Cost, $63,000
EMPIRE, Stanislaus Co., Cal.
Fireproof school building.
Owner—Empire School District.
Architect—Thos. B. Wiseman, Morgan Bldg., Bakersfield, Cal.

Plans Being Figured. Bids Close Apr. 26, 1920, 1 P. M.
SCHOOL Cost, $——
REDLANDS, Cal.
Two-story and basement reinforced concrete 16-room intermediate school, 126x95.
Owner—Redland High School District.
Architect—Edwin Bergstrom, 1129 Citizens National Bank Bldg., Los Angeles.
Bids will be received separately for the following portions of the work: (1) general work; (2) plumbing; (3) heating and ventilating; (4) electrical work; (5) metal lockers and toilet partitions; (6) blackboards; (7) painting and tinting; (8) plastering; (9) window shades. Each bid must be accompanied by a cashier's or certified check for 5% of amount of bid; also a deposit of $20 will be required from contractors receiving plans and specifications.

Contract Awarded
SCHOOL Cost, $39,077.78
DUNSMUIR, Siskiyou Co., Cal.
Erection (complete) of a grammar school.
Owner—Dunsmuir Grammar School district. Sue P. Cornish, Clerk, Dunsmuir, Cal.
Architect—Woollett & Lamb, Hagelstein Bldg., Sacramento, Cal.
Contractor—Walter Campbell, 3325 J St., Sacramento.
Only two bids were received as follows: W. G. Keating, $62,780; and Walter Campbell, $58,410.
The contract was awarded on the original bid after certain deductions were made.

Contract Awarded.
SCHOOL Cost, $135,741
SAN FRANCISCO. Harrison Street Bet. 10th and 11th Streets.
Two-story brick and concrete 10-room school (Harrison School).
Owner—City and County of San Francisco.
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.
Contractor—O. Monson, 1907 Bryant St., San Francisco.

All Bids Rejected. Plans to be Revised.
SCHOOL Cost, $150,000
BERKELEY, Alameda Co., Cal. Prince, King, Ashby and Ellis (Lincoln School).
Two-story brick and concrete school (23 rooms and auditorium).
Owner—City of Berkeley.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Supervising Architect—W. C. Hays, 1st National Bank Bldg., San Francisco
Plans will be revised to bring the cost within the appropriation of approximately $185,000.
The total of the lowest bids received on April 13th amounted to $258,445.

Plans Being Figured. Bids Close Apr. 27th, 1920.
ADMINISTRATION BLDG., ETC.
Cost, $85,000.
STRATHMORE, Tulare Co., Cal.
Brick, concrete and tile administration and Manual Arts buildings. Auditorium seating 700.
Owner—Strathmore Union High School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.

Contracts to be Signed.
SCHOOL Cost, $——
SUSANVILLE, Lassen Co., Cal.
One-story and basement stone and frame school.
Owner—Lassen Union High School District.
Architect—John Galen Howard, 1st National Bk. Bldg., San Francisco.
The following awards have been recommended and contracts will be signed immediately.

**General Contract.**

John J. Woodward, Susanville, $58,765.

**Plumbing.**

J. E. O'Mara, San Francisco, $6,100.

**Heating.**

J. E. O'Mara, San Francisco, $8,990.

**Electric Work.**

Ne Page-McKenny Co., San Francisco, $2,997.

Plans Being Completed.
SCHOOL Cost, $75,000
COMPTON, Los Angeles Co., Cal.
One-story hollow tile school (8 rooms).
Owner—Compton School District.
Architects—Arthur W. Angel and Paul V. Tuttle, Associate, 565 Lighthouse Ave., Pacific Grove, Cal.

Commissioned to Prepare Plans.
COLLEGE BLDGS. Cost, $1,000,000 or more.
NEAR SAN LEANDRO, Alameda Co., Cal.
Group of about 15 college buildings (swimming pool, athletic fields, etc.)
Owner—St. Mary's College of Oakland
Architect—John J. Donovan, Perry Bldg., Oakland.
Type of construction has not been decided as only the surveys have been made.

Additional Bonds Voted. New Figures to be Called for Shortly.
HIGH SCHOOL Cost, $175,000
MARTINEZ, Contra Costa Co., Cal.
Two-story brick high school.
Owner—Alhambra High School District.
Architect—A. A. Cantin, 68 Post St., San Francisco.
Additional bonds of $50,000 have just been voted in addition to the $125,000 issue voted last May.
The Board will meet this week to decide if bids will be called immediately or if plans will be slightly altered to enlarge some of the class rooms.

Plans Being Figured. Bids Close May 11, 1920.
SCHOOL Cost, $——
SANTA ANA, Orange Co., Cal.
Reinforced concrete and hollow tile high school buildings.
Owner—Santa Ana High School District
Architect—Norman F. Marsh, 211 Broadway Central Bank Bldg., Los Angeles.
Bids will be taken separately on the general contract, plumbing, painting, electric wiring and heating.

Bids Wanted for Tile Flooring.
FLOORING FOR SCHOOL Cost, $——
BERKELEY, Alameda Co., Cal. SW Colusa and Tacoma Avenues.
Furnishing and laying a tile flooring in the Thousand Oaks School Building.
Owner—Board of Education of the City of Berkeley and Berkeley School District.
Architect—Wm. C. Hays, Room 12 Eastman Bldg., Center and Oxford Sts, Berkeley.
Certified check of 10% payable to Board of Education required. Deposit of $10 for plans and specifications.

Plans Complete. To Take Bids Shortly
SCHOOL Cost, $130,000
SEATTLE, Wash. 57th Avenue South near Lake Washington.
Two-story reinforced concrete parental school, 140x35, with 40-foot wing.
Owner—City of Seattle.
Architect—F. A. Naramore, Supt. of School Properties, City Hall, Seattle, Wash.

Plans Complete.
SCHOOL Cost, $15,000
LAFAYETTE, Contra Costa Co., Cal. Lafayett School District.
One-story frame and plaster 3-room school.
Owner—Lafayette School District.
Architect—Jas. T. Narbett, 910 Macdonald Ave., Richmond.

Plans Being Figured. Bids Close April 27, 1920, 2:30 P. M.
SCHOOL BLDGS. Cost, $85,000
STRATHMORE, Tulare Co., Cal.
Brick, concrete and tile high school buildings.
Owner—Strathmore Union High School District.
Architect—Ernest Kump, Rowell Bldg., Fresno.
Plans may be seen at the office of the Builders' Industries Ass'n., 110 Sutter St., San Francisco.

Sub-Figures Being Taken.
SCHOOL BLDGS. Cost, $136,367
FOWLER, Fresno Co., Cal.
Hollow tile high school buildings.
Owner—Fowler Union High School District.
Architects—Allison & Allison, Hibernian Bldg., Los Angeles.
Contractor—E. E. Etherton, Monadnock Bldg., San Francisco.
Mr. Etherton is now taking figures on the following work: Brick, glazing, carpenter labor, reinforcing steel, miscellaneous iron, rough hardware, insulating felts, building papers, and mill work.

Completing Plans. Figures to be Called For in About Two Weeks.
SCHOOL Cost, $260,000
BERKELEY, Alameda Co., Cal. Rose and Grant Streets.
One and two-story brick school, 22 rooms (auditorium, manual training, domestic science, etc.)
Owner—City of Berkeley.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

Plans Being Figured.
FRESNO, Fresno Co., Cal.
SCHOOL Cost, $100,000
Two-story brick junior high school.
Owner—City of Fresno, J. R. Fontaine, Secretary Board of Education.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.

CONCORD, Contra Costa Co., Cal.—May 19th is the date set by the Town Trustees to decide the question of issuing and selling bonds of $275,000 with which to finance construction of a new grammar school building.

SANTA ROSA, Sonoma Co., Cal.—Bonds of $250,000 have been voted to finance the construction of school improvements, preliminary plans for which are now being prepared by Architect W. H. Weeks, 75 Post street, San Francisco.

TUCSON, Ariz.—The regents of the University of Arizona will receive competitive preliminary plans for the proposed men's dormitory at the university up to 12, noon, May 20. The building will be two stories and the cost not to exceed $125,000. The competition is open to all bona fide and properly qualified architects. All applications for admission to the competition must be made in writing to R. B. von Kleinsmid, president of the university.

## STORES AND OFFICES.

Completing Plans. Ready for Sub-Figures End of This Week.
AUTO SALES BLDG. Cost, $12,000
SAN FRANCISCO. Eddy near Polk.
One-story brick auto sales building.
Owner—Withheld.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Plans Being Figured.
STORE & LOFT BLDG. Cost, $——
SAN FRANCISCO. S Market near New Montgomery.
Two-story and basement concrete store and loft building.
Owner—J. C. Brickell.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
ALTERATIONS Cost, $15,500 Approximately.
SAN FRANCISCO. Market and New Montgomery (SE corner of Palace Hotel).
Extensive alterations for office (rough cabinet work and carpentry).
Owner—McDonnell & Co., 335 Montgomery St., San Francisco.
Architects—Willis Polk & Co., Hobart Bldg., San Francisco.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.

Contract Awarded.
OFFICE AND STORE BLDG. Cost, $15,600.
BERKELEY, Alameda Co., Cal. E McGee 150 N Bancroft.
Three-story frame office and store building.
Owner—A. P. Landers, 2227 McGee St., Berkeley.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—C. H. Warren, 2615 Derby St., Berkeley.

Preliminary Plans Being Prepared.
BUSINESS BUILDINGS Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Two one-story fireproof business buildings, 76x100.
Owner—Withheld.
Architects—Binder & Curtis, 255½ S-First St., San Jose.

Contract Awarded.
ALTERATIONS Cost, $30,000
SAN FRANCISCO. SE California and Front Streets.
Alterations to 1st floor of five-story Class "A" building.
Owners—Walter H. Sullivan and J. Eisenbach.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—Louis Fontanella, 1920 Pine St., San Francisco.

Plans Being Prepared.
ADDITION Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Owner—Withheld.
Architects—Binder & Curtis, 255½ S-First St., San Jose.

Contract Awarded.
STORE Cost, $——
PETALUMA, Sonoma Co., Cal. Main Street.
One-story brick store.
Owner—Dave Engelland, Petaluma.
Architect—Brainerd Jones, 110 Washington St., Petaluma.
Contractor—M. H. Fredericks, 525 7th St., Petaluma.
The contract for brick and concrete work has been let to W. C. Stradling of Petaluma.

Contracts Awarded.
AUTO SALES BLDG. Cost, $13,000
SAN FRANCISCO. E Van Ness Ave 67-6 N Eddy Street.
One-story, basement and mezzanine reinforced concrete auto sales building, 25x109.
Owner—Jacob Macowsky.
Architect—August Headman, Call Bldg., San Francisco.
**Concrete, Excavating and carpenter Work** awarded to Fred Moller, 572 Haight Street.
**Plastering** to McGruer & Simpson, 180 Jessie Street.
**Painting** to L. J. Neal, 445 Hayes St.
**Roofing** to Mallott & Peterson, Monadnock Bldg.
**Sheet Metal Work** to Heidt Cornice Works, 152 First Street.
**Electric Work** to The Turner Co., 272 Natoma Street.
**Marble Work** to Vermont Marble Co., 244 Brannan Street.
**Plumbing** to Wade & Miller, 3355 17th Street.
**Flooring** to Klingstone Co., Humboldt Bank Bldg.

Contract Awarded.
STORE BLDG. Cost, $19,000
SAN JOSE, Santa Clara Co., Cal. South First Streets near San Salvador.
One-story reinforced concrete store.
Owner—R. M. Wright.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—E. L. Wolfe, 131 Coe St., San Jose.

Contract Awarded.
BANK, STORE, ETC. Cost, $50,000
CAMPBELL, Santa Clara Co., Cal.
One-story brick and terra cotta bank, store and motion picture theatre building (3 stores).
Owner—Campbell Building & Investment Company.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—Z. O. Field, 167 S-14th St., San Jose.
NOTE:—Contract includes all work except steam heating.

Plans Being Prepared.
ALTERATIONS Cost, $6,000
SAN JOSE, Santa Clara Co., Cal. Santa Clara Ave. bet. 1st and 2nd Sts.
Alter store front and interior.
Owner—Royal Tailors.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contract Awarded.
STORE BLDG. Cost, $8,600
SAN JOSE, Santa Clara Co., Cal. E S-First Street near San Salvador.
One-story reinforced concrete store.
Owner—H. L. Austin.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—E. Nommensen, 134 S-8th St., San Jose.
NOTE:—Work just started.

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Ready for Figures Monday.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. E Van Ness Avenue 30 N Eddy Street.
One-story and part basement and mezzanine reinforced concrete auto sales building, 37½x109.
Owner—A. B. Harrison and H. F. Ramacciotti.
Architect—August Headman, Call Bldg., San Francisco.

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Contracts Awarded
AUTO SALES BLDG. Cost, $17,000
SAN FRANCISCO. W Van Ness Ave. 40 N Eddy Street.
One-story and mezzanine reinforced concrete auto sales building, 40x109
Owner—Mary A. Ruggles.
Architect—August Headman, Call Bldg. San Francisco.
**Concrete, Carpentry and Excavating** awarded to John Spargo, 240 Montgomery Street.
**Roofing** to Mallott & Peterson, Monadnock Bldg., San Francisco.
**Marble Work** to Vermont Marble Co., 244 Brannan Street.
**Plumbing** to J. Gibbs, 1708 Geary St.
**Sheet Metal Work** to Gilfoy Cornice Works, 269 Potrero Avenue.
**Electric Work** to City Protective Elec. Co., 1086 Valencia Street.
**Painting** to — Zelinsky.
**Flooring** to The Klingstone Co., Hummoldt Bank Bldg.

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Contract Awarded.
ALTERATIONS Cost, $4,000
SAN JOSE, Santa Clara Co., Cal. S-First St. near San Fernando.
Alter store.
Owner—A. Hascall.
Architect—Herman Krause, Bank of San Jose Bldg., San Jose.
Contractor—F. L. Hoyt, 566 N-16th St., San Jose.

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Plans Being Prepared.
STORE AND OFFICE BLDG. Cost, $10,000.
SANTA ROSA, Sonoma Co., Cal.
One-story reinforced concrete store and office building.
Owner—Pacific Gas & Electric Co.
Architect—J. W. Dolliver, Rm 418, 110 Sutter St., San Francisco.

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To be Done by Days Work.
AUTO SALES BLDG. Cost, $10,000
SAN FRANCISCO. N Hayes Street 136 E Gough Street.
One-story and basement brick auto sales building.
Owner—Richard Rountree, 408 Page St., San Francisco.
Architect—Not Given.
Sub-figures will be taken.

Sub-Figures Being Taken For Lumber and Concrete Work.
AUTO SALES BLDG. Cost, $15,000
SAN FRANCISCO. NW Polk Street and Cedar Avenue.
Two-story reinforced concrete auto sales building.
Owner—Kiernan & O'Brien Realty Co., 1756 Mission St., San Francisco.
Architect—Arthur G. Bugbee, Sharon Bldg., San Francisco.
NOTE:—Contract for reinforcing bars awarded to Edw. L. Soule.

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Plans Being Prepared.
AUTO SALES BLDG. Cost, $——
OAKLAND, Cal. NW Webster and Twenty-first Streets.
Fireproof auto sales building.
Owner—L. D. Allen Co., 1620 Van Ness Ave., San Francisco.
Architects—Owners.

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Contract Awarded.
ALTERATIONS Cost, $10,000
SAN JOSE, Santa Clara Co., Cal South First St. near San Fernando.
Alter store.
Owner—H. Stackpole.
Designer—Herman Krause, Bank of San Jose Bldg., San Jose.
Contractor—G. Ladda.
Interior show cases, etc., awarded to Fink & Schindler of San Francisco.

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Contract Awarded.
ALTERATIONS Cost, $5,000
SAN JOSE, Santa Clara Co., Cal. W-Santa Clara St. near Market.
Alter store.
Owner—E. Baker Pharmacy.
Architect—Herman Krause, Bank of San Jose Bldg., San Jose.
Contractor—G. Ladda.

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Contractors Taking Sub-Figures.
BUILDING Cost, $35,000
SAN FRANCISCO. S Post bet. Taylor and Jones Streets.
Two-story reinforced concrete building.
Owner—Mrs. Philip Bekeart.
Architects—Ward & Blohme.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.

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Contracts Awarded.
STORES Cost, $30,000
SAN FRANCISCO. NW Post and Ophir Streets.
One-story and basement and mezzanine Class "C" stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architects—Rousseau & Rousseau, 110 Sutter, San Francisco.
**Brick Work** to M. B. McGowan, 180 Jessie St.
**Electric Work** to Atlas Elec. Co., 110 Jessie St.
**Plumbing** to Alex. Coleman, 110 Jessie Street.
**Glass** to W. P. Fuller Co., Beale and Mission Streets.
**Mill Work** to Oakley Lumber Co., 1430 Powell St.
**Reinforcing Steel** to Gunn Carle Co., 444 Market St.

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Contract Awarded. Work Just Started.
BUILDING Cost, $35,000
SAN JOSE, Santa Clara Co., Cal.
Reinforced concrete building.
Owner—California Prune & Apricot Growers Association.
Engineers and Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Owners to Take Figures.
OFFICES, ETC. Cost, $1,000,000
SAUSALITO, Marin Co., Cal.
Two-story Class "A" building, 80x220, for offices, electrical and machine shop; one-story reinforced concrete cooper shop and a one to four-story reinforced concrete building, 200x500.
Owner—Mason By-Products Co., Almo and Bolinas Sts., Sausalito.
Engineer—R. F. Chevalier, Hobart Bldg., San Francisco.
NOTE:—Some of the work will be let by contract and the balance by day labor.
The owners will take sub-figures shortly.

## THEATRES.

Plans Being Prepared.
ALTERATIONS Cost, $50,000
SOUTH BERKELEY, Alameda Co., Cal. Adeline Street (Lorin Theatre).
Extensive alterations and additions to brick and concrete motion picture theatre.
Owner—Beach & Krahn Amusement Company.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

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MADERA, Madera Co., Cal.—A theatre structure with a seating capacity of 1200 is being planned for Madera, according to announcement made by Al. C. H. Chamberlin, Manager of the Madera Opera House. The building will cost in the neighborhood of $100,000 exclusive of furniture which will cost approximately $30,000.
A $20,000 pipe organ will be installed.

## CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings as reported to California Development Board by the several clearing house cities for the week showing the amount of increase on corresponding date last year:

| | | Increase |
|---|---|---|
| San Francisco.. | $105,143,177 | $26,381,744 |
| Los Angeles.... | 75,534,000 | 34,673,000 |
| Oakland ..... | 11,141,090 | 2,521,084 |
| Sacramento ... | 6,178,812 | 2,092,595 |
| San Diego..... | 3,449,959 | 1,072,332 |
| Fresno ..... | 5,475,363 | 2,991,344 |
| Stockton (a)... | 5,700,300 | ..... |
| San Jose (a)... | 4,943,452 | ..... |
| Bakersfield ... | 1,266,332 | 354,537 |
| Pasadena ..... | 2,420,243 | 973,912 |
| Santa Rosa.... | 430,553 | ..... |
| Long Beach.... | 3,047,199 | 1,586,313 |
| Berkeley (a)... | 2,591,457 | ..... |

(a) Bank Debits.

## GOLDEN GATE PARK WILL BE IMPROVED.

The sum of $154,000 is sought by the Park Commission for improvements in Golden Gate Park for the coming year, and is included in the budget appropriation asked by the Commissioners, amounting to $738,200. The sum of $362,000 is asked for improvements of the parks throughout the city, including $5,000 for Lincoln Park Golf Links. For salaries, maintenance and additional expenses, the Commissioners ask $376,000. The total appropriation in the 1919-20 budget to the Park Commission was $395,000.

# ENGINEERING

## BRIDGES, DAMS AND HARBOR WORK.

MADERA, Madera Co., Cal.—The County Engineer has been instructed by the Supervisors to prepare plans and specifications for a bridge over Picayune Creek in Road District N.o 4.

W. R. Curtin is County Clerk.

ALAMEDA, Alameda Co., Cal.—The petition of the E. B. & A. L. Stone Company for the formation of a reclamation district on a portion of Bay Farm island will come before the City Council on May 4. The Stone Company owns a large holding on the eastern part of the island. The company is reclaiming this land and seeks to have join with it certain other property owners owning adjacent lands. These other property owners have declined to join the reclamation project voluntarily, so the formation of a regular reclamation district is being undertaken by the Stones.

MADERA, Madera Co., Cal.—The County Supervisors, W. R. Curtin, County Clerk, are considering the petition seeking the construction of roads in the Medano tract recently opened.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors, W. W. Felt Jr., County Clerk, have approved plans and specifications for a reinforced concrete bridge over the Russian River at Healdsburg to replace the present steel structure.

PORTLAND, Ore.—Stebinger Bros., of Portland, submitted the low bid at $28,591 to the U. S. Bureau of Public Roads, 304 Post Office Bldg., Portland, for the construction of a bridge in the Umpqua National Forest in Douglas County, and will probably be awarded the contract.

The structure will be 220 feet long, single span, open spandrel reinforced concrete arch and abutments with concrete girder approaches.

## IRRIGATION PROJECTS

SAN JOAQUIN, Fresno Co., Cal.—Bids will be received by the Board of Directors of the James Irrigation District, San Joaquin, Calif., up to May 3rd, 10 A. M., for the construction of laterals A and B and the uncompleted portions of laterals I, J, and K, in the James Irrigation District.

Plans for the work may be seen at the office of the Resident Engineer, H. M. Crooker, San Joaquin Valley Farms Lands Company Building in San Joaquin.

SUSANVILLE, Lassen Co., Cal.—Colonel W. G. Devereux, consulting engineer for the W. C. Duncan Contracting Company, and William H. Mader of San Francisco, are in Susanville to look over and examine the tunnel site of the Leon Bly Eagle Lake Irrigation project, with a view of entering into a contract for the tunnel construction. Colonel Devereux is quoted as stating:

"The project is feasible, and while under the present high price of material and labor will be expensive, it can be built in a reasonable time and the people interested in getting the water on their lands are very fortunate in being able to secure these proposed works at the price per acre agreed upon."

FALLON, Nevada.—By a vote of 444 to 87 the farmers on the Newlands Project approved a drainage bond issue of $700,000 at the election held here.

By the terms of the issue the Federal Government is to advance $700,000 to establish drainage for the entire project, with this sum to be repaid by the land owners in forty equal semi-annual payments, without interest.

The project is to maintain the drainage system after its completion. The system is expected to reclaim several thousand acres of new land besides protecting the entire district against flooding.

AFTON, Glenn Co., Cal.—Preparations are being made to form an irrigation district comprising 2,000 acres. Among those interested in the proposed district are:

Elmer Annand, C. J. Picknell, Ed. Flanagan, C. E. Struthers, Stanley Picknell, Albert Baker and Walter Steel.

OXNARD, Ventura Co., Cal.—Until 2 p. m., April 28, bids will be received by the Oxnard Drainage District, C. C Rupert, Secretary, for constructing an ocean outlet for a drainage system, including gate house and for excavating 4½ miles of drainage canal; Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, engineers. The district comprises about 6,000 acres and bonds to the amount of $200,000 have been voted. The drainage canal will be about 10 ft. in depth and 8 ft. wide at the bottom with a 1½ to 1 slope. Excavation may be done by steam shovel or dragline. The outlet will consist of two corrugated iron pipes 5 ft. diameter each, about 800 ft. in length, carried into the ocean on concrete piles. The gate house will be of reinforced concrete and will be equipped with an automatically closing tide gate.

The following permits to divert water have been issued by the State Water Commission:

677-1522, to W. W. Patch, Division Engineer, California Highway Commission, Department of Engineering, ¼ cubic foot per second from Fish Springs in Imperial County, for constructing, maintaining and irrigating State Highway in Imperial County.

680-1463, to San Joaquin Light & Power Corporation, Fresno, for 3200 acre feet per annum for storage and 900 cubic feet per second direct diversion from San Joaquin River in Fresno County for power purposes. Amount of power to be developed 35,795 T. H. P. Diversion works: Tunnels and penstocks 3.4 miles long and concrete dam 100'x430'x90', single arch type, with radial gates and syphons. Estimated cost, $4,000,000.

687-940, to I. G. Zumwalt, Colusa, 86.7 cubic feet per second from Sacramento River in Colusa County, for irrigation of 3,468 acres. Diversion works: Main canal 13.6 miles long and a pumping plant.

688-1149, to Sutter-Butte Canal Co., a corporation, for not to exceed 500 cubic feet per second from Feather River in Butte County, tributary to Sacramento River, for irrigation of 27,500 acres. Diversion to be by means of a pumping plant operated by electricity or other power and a system of canals. Estimated cost, $40,000.

689-1484, to Nevada-California Power Co., for 20 cubic feet per second from McGee Creek in Inyo County, tributary to Owens River, for power purposes. Amount of power to be developed 622, 540 and 678 T. H. P. average, and 2,063, 1800 and 2,260 T. H. P. when flow is available. Diversion works: Rubble masonry dam 6'x24'x24', and main pipe line 0.24 mile long. Estimated cost, $12,000.

690-1485, to The Southern Sierras Power Co., for 20 cubic feet per second from McGee Creek for power purposes. Amount of power to be developed 250 T. H. P. average, 833 maximum. Diversion works are the same as those described under Permit 689.

691-1573, to Alfred E. Trevan, Palo Verde, Imperial Co., for 1½ cubic feet per second from Palo Verde Lagoon, Imperial County, tributary to Colorado River, for irrigation of 120 acres.

692-1628, to F. A. Koetitz, San Francisco, for 3 cubic feet per second from Stanislaus River, Stanislaus County, tributary of San Joaquin River, for irrigation of 240 acres.

693-1245, to Bev. Hunter and F. M. Sayre, Independence, for 5-80 cubic foot per second from Kennedy, Antimony, Old Man, Old Woman, Wild Horse and Coal Kill Springs in Inyo County, for irrigation of 5 acres.

694-1596, to Wade M. Putnam, L. C. Wedig, Frank Meriken, S. A. Merriken, 11, for 3 cubic feet per second from tunnel in Los Angeles County, for irrigation of 240 acres. Diversion by ditch or pipe line 2 miles long.

695-1486, to Imperial Utilities Corporation, Los Angeles, 3 cubic feet per second from Mojave River, San Bernardino County, for municipal purposes for town of Barstow and for Santa Fe Railroad at Barstow. Water will be diverted by means of riveted steel pipe line, reinforced concrete storage reservoir and a pumping plant.

The following applications for permit to divert water were filed with the State Water Commission during March, 1920. (Application number is noted at end of each paragraph):

River Farms Co. of California, San Francisco, 16 cubic ft. per second from Sacramento River in Yolo County, for irrigation of rice on 644 acres. Diversion ditch to be 5 miles long. Estimated cost, $14,000. 1697.

Sutter Investment Co., Sacramento—two applications: No. 1698, for 14 cubic feet per second from Feather River in Sutter Co., for irrigation of 420 acres. Diversion works consist of ditch 1½ miles long and a 14-inch Byron Jackson Fig. 50 pump. Estimated cost, $15,000; and App. No. 1699, for 56 cubic ft. per second from Feather River in Sutter County, for irrigation of 2800 acres. Water will be diverted through canals 10 miles long and pump 20-inch type S and 24-inch double suction Byron Jackson pumps. Estimated cost, $35,000.

Maud Crouch Moore, Chico, 4 cubic ft. per second from Sacramento River, in Butte County for irrigation of 700 acres. Diversion will be by ditch and pipe line 2.6 miles long and a pumping plant. 1701.

Lars R. Jorgensen, San Francisco, 78,000 acre feet of waters of N. Fork Yuba River, in Sierra County, tributary of Feather River, for power purposes. Amount of water to be stored 78,000 acre feet. (Extension of 6 mos. from March 11, 1920 granted to file maps.) 1702.

Geo. Johnson, Jr., Ingomar, Merced County, 3½ cfs. from San Joaquin River, Fresno County, for agricultural purposes on 160 acres. Diversion works consist of canal 26½ miles long and dam 16'x385'x385'; sectional board weir with collapsable steamboat chute-wastway over dam. Estimated cost, $5,000. 1703.

F. P. Hammer, Salyar, Trinity County, 50 cfs. from Maddon Creek, Humboldt County, tributary S. Fork Trinity River, for mining purposes. Diversion works consist of ditch 3 miles long and timber and stone dam 20'x50'x40', wasteway over dam. (Applicant allowed 60 days from March 30, 1920, to complete.) 1709.

F. J. Warren, Ingomar, Merced County, 7 cubic feet per second from San Joaquin River, Fresno County, for agricultural purposes on 320 acres. Water will be diverted by means of a 16'x385'x385' sectional board weir with steamboat chute-wasteway over weir,

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and a canal 26½ miles long. Estimated cost, $10,000. 1711.

Edwin Z. Wakefield, Independence, 2 cubic feet per second from Symmes Creek, Iyno County, for agricultural purposes on 106.39 acres. (App. allowed 60 days from March 11, 1920, to complete app.) No. 1713; and Application No. 1714 for 2 cubic feet per second from unknown stream in Inyo County for agricultural purposes on 106.39 acres. (App. allowed 60 days from March 12, 1920, to complete app.)

Kay McKay, San Francisco, 95 cubic feet per second from Haas Slough, Solano County., for agricultural purposes on 5649 acres. Water will be diverted by pumping. (Applicant allowed 60 days from March 12, 1920, to complete application.) 1715.

Snow Mountain Water & Power Co., a corporation, San Francisco, two applications as follows:

No. 1719, for 400 cubic feet per second from S. Fork Eel River, Lake and Mendocino Counties, for power purposes. Amount of water to be stored approximately 215,000 acre feet. Amount of power to be developed 15,000 T. H. P. Diversion works: Tunnel 5,700 feet long and riveted steel and wood stave pipe line, and a dam 40'x480'x50' of mass concrete, hydraulic fill, overflow dam. Estimated cost, $3,000,000.

No. 1720, for 400 cubic feet per second from S. Fork of Eel River, for municipal purposes to supply ultimately the cities of Richmond, Contra Costa County, and Berkeley, Oakland and Alameda, Alameda County, and cities lying immediately between point of diversion and the above cities. Amount of water to be stored approximately 215,000 acre feet. Water will be diverted by means of dam into a main pipe line approximately 120 miles long, terminating as nearly as can now be stated in a number of reservoir sites situate in or near the above mentioned cities.

Addie Burton, Bodfish, Kern County, 5 cubic feet per second from Black Gulch and Bradshaw Creek, Kern County, tributary of Kern River, for agricultural purposes. (Applicant allowed 60 days from March 25, 1920, to complete application.) 1721.

W. D. Wagner, Secretary and General Manager for Merced Irrigation District, Merced, 120,000 acre feet for storage from Burns Creek, Merced Co. tributary to Bear Creek, for agricultural purposes on 173,000 acres. Diversion works consist of main canal 13½ miles long and an earth dam 90'x18,500'x500', concrete, with wasteway over a divide 4,000 feet from dam headgate of masonry with iron gates to discharge 500 second feet. Application No. 1722; and same applicant for 80,000 acre feet (for storage) from Black Rascal Creek, Merced County, tributary Burns Creek, for irrigation of 173,000 acres in Merced Irrigation District. Diversion works: Earth dam 105'x13,000x600', the main canal being part of general system of the Merced Irrigation District. Application No. 1723.

C. W. Clark Co., a corporation, 318 Kearny Street, San Francisco, 3,432 acre feet per annum for storage, of storm or flood water in Lassen County, tributary of Horse Creek, for agricultural purposes on 4,320 acres. (Applicant allowed 60 days from March 25, 1920, to complete application.) 1724.

W. P. Dwyer, Sacramento, 60 cubic feet per second from borrow pit of back levee of Reclamation District 108 in Colusa County, for agricultural purposes on 1816.21 acres. (Applicant allowed 60 days from March 26, 1920, to complete application.) 1725.

Lars R. Jorgensen, San Francisco, 50 second feet from Feather River, in Butte and Plumas Counties. Amount of water to be stored 100,000 acre feet, for agricultural purposes. Water to be used on 125,000 acres. Diversion works: Main canal 15 miles long, and concrete dam 20'x800'x400', with wasteway over dam; 5 cast iron gates 4'x6' Estimated cost, $2,000 (exclusive of dams). No. 1728. Same applicant for 500 second feet from Yuba River, Yuba and Sierra Counties, tributary to Feather River, for agricultural purposes on 140,000 acres. Amount of water to be stored 108,000 acre feet. Diversion works: Main canal 10 miles long and concrete dam 20'x1200'x1000', with 6 cast iron headgates 4'x6'. 1729.

Lester, Cilker & Lester, Los Gatos, 5 cubic feet per second from Los Gatos Creek in Santa Clara County, for irrigation of 400 acres. Water to be pumped from dug well by centrifugal pump. (Applicants allowed 30 days from March 30, 1920, to file maps.) 1733.

Yuba-Nevada-Sutter Water & Power Association, Grass Valley, 175 cubic feet per second of flood waters of Bear River in Nevada County, tributary to Sacramento River, for agricultural purposes. Water to be stored 65,000 acre feet. Diversion to be by means of concrete dam 165'x853'x52'. 1735; and same applicant for 150 cubic feet per second from Middle Fork of Yuba River for agricultural purposes. Water will be diverted by means of a canal 21 miles long and a hydraulic fill dam 135'x1220'x80'. Estimated cost, $1,800,000. 1736.

T. A. Kilkenny, Dixon, 350,000 acre feet per annum from Putah Creek, in Lake, Napa and Solano Counties, for agricultural purposes on 20,000 acres. Amount of water to be stored 120,000 acre feet first winter. Diversion works: Main ditch about 20 miles long and loose rock and concrete dam about 20'x200'x175', with concrete headgate. Estimated cost, $300,000. 1737.

Merriam J. Howells, Liberty Ranch, Oroville, 50 cubic feet per second from watershed of Concow Reservoir site in Butte Co., tributary to E Branch of W. Branch of Feather River. Amount of water to be stored 20,000 acre feet. Water to be used for agricultural purposes on 8000 acres. Diversion to be by means of a ditch and pipe line 4 miles long. 1739.

E. A. Stellar, Los Angeles, 50,000 acre feet per annum from Big Rock Creek, Los Angeles County, for agricultural purposes on 13,000 acres. Diversion works: Main canals 5 miles long and concrete dam. 1740.

C. E. Schmitt, 369 Pine street, San Francisco, 1 cubic feet per second from Laurel or Burrell Creek, and W Branch Soquel Creek, Santa Cruz Co., for irrigation of 80 acres. Diversion works: Pipe lines 2 miles long and concrete or timber dam 5'x25'x15'. 1711.

Andrew J. Kay, Victorville, San Bernardino Co., 3 cubic feet per second from two springs in Arctic Canyon, San Bernardino County, for agricultural purposes, to be used on 640 acres. Water will be diverted through a pipe line 2 miles long. 1742.

City of Sacramento, 300 cubic feet per second from Sacramento River for municipal purposes—water supply for Sacramento City. Diversion works; Main intake pipe line 1000 feet long, terminating in filtration plant, thence to city distribution system. Estimated cost, $1,800,000. 1743.

C. E. Schmitt, 369 Pine street, San Francisco, 1 cubic foot per second from Laurel or Burrell Creek, and W. Branch Soquel Creek, Santa Cruz County, for irrigation of 80 acres. Diversion works are same as those described under App. 1741. 1744.

## LIGHTING SYSTEMS

SALINAS, Monterey Co., Cal.—Bids will be received by T. P. Joy, County Clerk, up to May 3rd, 2 P. M., for the erection of electroliers on the bridge crossing the Salinas River, at a point near the City of King.

## MACHINERY.

BURLINGAME, San Mateo Co., Cal.—The City Board of Trustees has authorized the City Water Commission to advertise for bids for furnishing and delivering six fire hydrants to be installed in the North Burlingame District. J. R. Murphy is City Clerk.

MADERA, Madera Co., Cal.—Up to May 3rd, 7:30 P. M., bids will be received by Geo. M. Shedd, Clerk of the Board of Trustees of the Madera Union High School District for furnishing and delivering two Reo trucks, chassis only, "speed-wagon" type, or equal. Price to be f. o. b. Madera. Delivery before September 1, 1920.

## SEWERS, STREET WORK & WATER SYSTEMS

MANTECA, San Joaquin Co., Cal.—The Town Board of Trustees, G. H. Singleton, Clerk, has passed a resolution providing for improvements as follows:

**District No. 1.**

Improving Yosemite Ave. from the center line of the Southern Pacific Railroad to the center line of Lincoln Ave. and Hogan Road, (now Main St.) from the center line of North St. to the center line of the Southern Pacific Railroad.

**District No. 2**

Improving Yosemite Ave. from the center line of Lincoln Ave. to the East City limits.

**District No. 3**

Improving Yosemite Ave. from the center line of the Southern Pacific Railroad to the West City limits.

The work will consist of grading; constructing curbs and gutters and paving, to be done under the Vrooman Act of 1911.

A. Veach is Chairman of the Board of Trustees.

TURLOCK, Stanislaus Co., Cal.—The City Trustees, A. P. Ferguson, Clerk, has awarded a contract to A. Teichert & Sons, Ochsner Bldg., Sacramento, for the improvement of Line street, from the southeast line of West Main street to the southwest line of South Broadway, by grading and paving with a cement concrete base, 4 inches thick, and a Warrenite-Bitulithic wearing surface 1½ inches thick and the construction of concrete curbs and gutters.

The bid was $0.228 for paving and $0.049 for grading.

STOCKTON, San Joaquin Co., Cal.—Up to 10:30 a. m., April 27th, bids will be received by A. L. Banks, City Clerk, for the improvement of Walnut St., from a line 27 ft. east to the west line of Lower Sacramento road west to Edison St.; Edison St., from the south boundary of Lomita Ave., from Walnut St. to the north boundary of Lomita Park; Carmel Ave., from Walnut St. to the north boundary line of Lomita Park; Allston Way, from the south boundary Lomita Park to the north boundary of Lomita Park; Ramona Ave., from Walnut St. to the north boundary of Elizabeth Ave., from south boundary of Lomita Park to the north boundary line of Lomita Park; Lexington Ave. from the north line of Walnut St to the north boundary line of Lomita Park, by grading, constructing concrete sidewalks, curbs and gutters, and paving with an oiled macadam, consisting of a foundation course of cement gravel 4 inches thick, and a wearing surface of crushed rock and asphaltic road oil 2 inches thick.

Also the improvement of a portion of the Lower Sacramento road for a distance of 633 feet east from Lomita Park by grading and constructing concrete curbs, gutters and sidewalks.

SEBASTOPOL, Sonoma Co., Cal.—The City Trustees, J. S. Saunders, City Clerk, has instructed City Engineer Mueller to prepare plans and specifications for the improvement of Healdsburg avenue from the west side of North Main street to the city limits.

Mueller states that plans will provide for a full width pavement from the west side of North Main to the west side of Pitt avenue to provide a good approach to Main, and from thereon the paving of a twenty-two foot width.

Plans will be ready for adoption at the April 19th session of the Board.

NATIONAL CITY, San Diego Co., Cal.—Until 8 P. M., April 27, bids will be received by City Clerk O. A. Mullen for constructing about 10.7 miles of cement pipe sewers, 4 to 12-in., and one rectangular septic tank. Plans and specifications may be obtained from City Engineer C. B. Ireland on deposit of $5.

SAN FRANCISCO.—The Board of Public Works is awaiting the authorization of the Supervisors to call bids for the improvement of the Great Highway from the Esplanade to Balboa street, by paving where not already improved.

East half of the Great Highway from Fulton street to Lincoln Way and the grading and paving of the north half of Sloat Boulevard from the Great Highway to Fortieth avenue.

STOCKTON, San Joaquin Co., Cal.—The City Council, A. L. Banks, City Clerk, has adopted resolution of intention No. 646 providing for the improvement of Rose street, Edison to Yosemite; Stockton street, from Rose to the north boundary of San Joaquin County; Baker street from Rose to the north boundary of San Joaquin County, and Edison street from North street to the south boundary of Lomita Park by grading, full width; construction of concrete curbs, gutters and sidewalks and paving with oil macadam consisting of 4-inch cement gravel foundation with a wearing surface of crushed rock and asphaltic road oil 2 inches thick

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Bids for the construction of several stretches of county highways, under the $1,500,000 bond issue, will be called for by the County Supervisors in the immediate future.

Specifications have been approved for the construction of a highway from San Luis Ooispo to the Cienega roadhouse near Morro; for a stretch between Santa Margarita and the steel bridge over the river near Las Pilitas, and unit of traffic way at Atascadero.

F. J. Rodrigues is County Clerk.

OAKLAND, Cal.—The City Council has approved plans and specifications providing for the improvement of streets surrounding the Laurel School, including Brown and Patterson avenues, between California and Kansas streets. L. W. Cummings is City Clerk.

VISALIA, Tulare Co., Cal.—The City Council, Ida Markham, City Clerk, has passed resolution of intention No. 107 providing for the improvemenut of portions of East Mineral King avenue, South Church street, North Court street, Northeast Third avenue, Northwest Third avenue, North West street, North Church street, Acequia street, South Locust street, Willow street, West street, Conyer street, East Main street, North Encina avenue, etc., by the construction of concrete curbs, gutters,cement concrete pavement and a Topeka wearing surface of various thicknesses; construction of salt-glazed vitrified tile storm sewers, and connections of various sizes, etc.

HAYWARD, Alameda Co., Cal.—Preliminary plans for the proposed sewer in Atherton street were presented at the last meeting of the Town Trustees and referred to the Health Officer for approval.

Town Engineer Holly submitted an estimate of cost of a storm water drain in Jackson street (The Mt. Eden Road), but no action was taken. The work will cost about $4,000. M. B. Templeton is City Clerk.

HANFORD, Kings Co., Cal.—The County Supervisors have notified the Hanford City Trustees that they will finance the paving of connecting links between city paving and the county highway on the north city limits. The work will include small stretches of Irwin, Douty, Reddington and Harris streets.

SANTA ROSA, Sonoma Co., Cal.—The City Council has ordered the improvement of Howard street from Wright street to the city limits have been approved by the Council.

Plans for the construction of concrete curbs and a 3 inch concrete pavement in Fourth street from Leland to Humboldt streets by constructing concrete curbs and gutters, and Nason street from Orchard to Humboldt by the construction of concrete curbs and gutters and an asphalt macadam pavement.

Vida McL. Doggett is City Clerk.

FAIRFIELD, Solano Co., Cal.—Up to May 3rd, 11 A. M., bids will be received by County Clerk G. G. Halliday for a new ferry between Rio Vista and Ryer Island.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors, W. W. Felt Jr., County Clerk, have authorized County Highway Engineer Lloyd Aldrich to proceed with two units of the highway system under the day labor plan as follows:

Healdsburg-Napa County, Section B; Sections A & B, Petaluma-Valley Ford unit.

EAGLE ROCK CITY, Los Angeles Co., Cal.—Until 8 P. M. May 3 bids will be received by City Clerk Benj. R. Martsolf for paving Central Avenue, from Colorado Blvd. to south city boundary, involving 198,000 sq. ft. 5-in. concrete paving, 150 ft. cement curb, and 725 sq. ft. cement sidewalk. The city has voted $33,000 bonds and the property owners will bear the remainder of the cost, the work to be done under Improvement Act of 1911.

Bids will be received at the same time for one or more of the following proposals:

Material, labor and equipment for surfacing streets with rock and oil.

Labor and equipment for surfacing streets with rock and oil.

Furnishing 4630 tons Class A rock, 600 tons Class B rock and 72,060 gallons road oil.

EL MONTE, Los Angeles Co., Cal.—C. McNeill & Pernal Barnett, 234 S. Center St., Orange, were awarded the contract at $30,475.50 for constructing a sewer system for the city, using vitrified clay pipe; contract awarded April 8 on bids received March 18. All bids received for constructing a reinforced concrete septic tank were rejected and new bids will be taken. The contract will require 14,700 ft. 8-in., 5200 ft. 10-in., 2075 ft. 12-in., and 5980 ft. 18-in. pipe. There will be 52 manholes and 17 flushtanks. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, Engineers.

SAN FRANCISCO—Board passed resolution of intention on April 14th to construct sidewalks on 16th and 22nd avenues between Balboa and Cabrillo streets; to pave Cabrillo street between 24th and 25th avenues and 40th avenue between Geary and Clement streets, and grade 29th avenue between Cabrillo and Fulton streets.

Specifications were approved and resolutions of expediency passed providing for the improvement of Shafter avenue from Ingalls to Jennings; 45th avenue between Judah and Kirkham; 14th avenue between Cabrillo and Fulton; Winter Lane off Mason street between Green and Union; Joost avenue from Acadia to Circular and Anza street between 18th and 19th avenues.

New bids were ordered received for the improvement of Balboa street from 33rd and 32nd avenues and 43rd and 45th avenues.

CHICO, Butte Co., Cal.—The City Council, J. W. Gibson, City Clerk, has awarded a contract to the Chico Contracting Co., Chico, for the improvement of Robinson and Montgomery streets on its bids of $38,319.25 and $13,089 respectively.

The work includes grading and paving with Warrenite-Bitulithic, 1½ inches thick on a 2½ inch asphaltic concrete base, including the construction of cement concrete curbs and gutters, manholes, etc.

Cal.—Hutchinson & Co., 444 17th St., Oakland, who has the contract for the street improvements in Redwood Highlands, has awarded a contract to Chas. Cofouri of Redwood City for the construction of concrete curbs, gutters and culverts in connection with the work. The concrete work will cost in the neighborhood of $25,000.

The work will be done under the supervision of C. L. Dimmitt, City Engineer of Redwood City.

REDWOOD CITY, San Mateo Co., Cal.—County Engineer Geo. A. Kneass has been instructed by the Supervisors to make a survey of the proposed road along the Corte Madera Creek in the Third Township to connect with the San Gregario-La Honda road and the Bear Gulch road for the convenience of ranchers in that district.

Elizabeth M. Nash is County Clerk.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees, after a conference with a representative of the Board of Fire Underwriters, are considering the installation of a 10-inch fire main in the manufacturing section of the city. It is estimated that such a main would cost $19,000. J. J. Gill is City Clerk.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, has awarded a contract to the Clark & Henery Construction Co., Ochsner Bldg., Sacramento, for the improvement of Thirty-third St. from Fourth to Ninth Avenues by constructing concrete curbs and gutters, 8 concrete manholes with cast iron curbs and covers; 15 cast iron gutter drains with 6-inch vitrified ironstone sewer pipe elbows attached and connecting same to sewer with 6-inch vitrified ironstone sewer pipe; constructing 8 inch vitrified ironstone sewer pipe grading, and constructing a hydraulic concrete base 4 inches thick with a bitulithic wearing surface 1½ inches thick.

WOODLAND, Yolo Co., Cal.—The City Trustees, J. H. Laugenour, City Clerk, has passed resolution of intention No. 366 providing for the improvement of First street from Marshall avenue to Hays street; Marshall avenue from College to First, and Hays street from College to First by constructing concrete curbs and gutters, grading and paving with a bituminous base 3 inches thick composed of asphaltic cement, sand and stone and a Warrenite-bitulithic wearing surface 2 inches thick with a Warrenite flush coat composition, construction of basalt header blocks and two corrugated iron culverts on concrete bases.

The Council has also passed resolution of intention No. 365 for the improvement of Lincoln avenue from West street for a distance of 330 feet east of Sixth street by grading and paving with a bituminous base 3 inches thick with a Warrenite-bitulithic wearing surface 2 inches thick, constructing concrete curbs and gutters, basalt header blocks and four corrugated iron culverts on concrete bases.

FRESNO, Fresno Co., Cal.—The City Council, Chas. Dillon, City Clerk, has awarded contraacts for street and sewer work as follows:

To Thompson Bros., 1514 "H" St., Fresno, improvement of Whites Bridge avenue from the west city limits to the east line of Tehama St., by the construction of a 4-inch concrete base and a Warrenite-bitulithic wearing surface 1½ inches thick, 16 feet wide, including the improvement of B street from Amador to Fresno street by the construction of a 4-inch concrete base and a Warrenite--bitulithic wearing surface 1½ inches thick, 20 feet wide, including the construction of corrugated culverts with manholes.

To Thompson Bros. for the improvement of Vassar avenue from Maroa to Wishon avenue by grading, construction of concrete curbs and gutters, sidewalks, paving with an asphalt concrete base 2½ inches thick with a Warrenite-bitulithic wearing surface 1½ inches thick.

To Thompson Bros. for the construction of a 20-foot wide pavement in the center of the street from the south city limits line at the intersection of California avenue and Elm avenue; north along the extension of Elm Ave., to the intersection with C street, nue, to the intersection with C street, thence along C street to the intersection with San Benito Ave., thence along San Benito Ave. to G street, pavement to be a concrete base 4 inches thick with a Warrenite-bitulithic wearing surface 1½ inches thick, construction of corrugated metal culverts with manholes and oil dirt shoulders on both sides of pavement.

Thompson Bros., were also awarded the contract for the improvement of Sarah street from California to Hamilton Aves., by grading, constructing concrete curbs, gutters and sidewalks and oiling between the curb lines.

To Kaufield & Tompkins, 2029 Mariposa St., Fresno, the Council has awarded a contract for the construction of concrete curbs and sidewalks in both sides of C street, from Amador to Fresno.

E. W. Redman, 200 Trust Co., Building, Fresno, has been awarded the contract for the construction of a six-inch lateral sewer in block 388 at 65 cents per ft. for sewer and $15.00 for lampholes.

MARYSVILLE, Yuba Co., Cal.—Up to 10 A. M., May 4th bids will be received by Wm. M. Streif, Conuty Clerk, for the proposed stretch of highway in Road District No. 10, from plans by County Engineer L. B. Creek. Bids will be taken for three types of pavement.

MARTINEZ, Contra Costa Co., Cal.—Joseph T. Sayles, Martinez, has been awarded contracts by the City Trustees, W. S. Farley, City Engineer, for paving Smith street at $145,000 and paving streets in the Frazer addition at $34,438.

C. E. Daley is City Clerk.

SANTA BARBARA, Cal.—Fairchild-Gilmore-Wilton Co., of Los Angeles, awarded contracts for paving portions of Garden and E. Sola streets, may not sign. The company claims the advertisement for bids for the work was not published as required by law, sufficient time not having been allowed.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, Clerk, has passed resolution of Intention No. 1483 providing for the improvement of Forty-third street from a point 50 feet south of Fourth avenue to the main sewer in Fifth avenue, by construction of an 8-inch vitrified ironstone pipe sewer with 24 6-inch vitrified ironstone wye branches and 2 concrete manholes with cast iron curbs and covers.

EL CENTRO, Imperial Co., Cal.—Peterson Bros., of Calexico, submitted the lowest bid at 32.55c sq. ft. for constructing 45 miles of 5½-in. concrete pavement, 1:2:4 mix, 16 ft. wide on the county highway system. Warren Bros. Co. submitted the only other bid at 33.09c sq. ft. for constructing a 5-in. Warrenite-bitulithic pavement. Concrete paving would cost under Peterson Bros., bid $27,456 per mile and Warrenite paving under Warren Bros.' bid, $27,931 per mile. All bids were rejected as being too high, but no action was taken by the Supervisors in the matter of readvertising for bids.

ELSINORE, Riverside Co., Cal.—R. T. Shea & Co. of Riverside, submitted the only bid and were awarded the contract at $67,400 for improving portions of Main, Spring and Minthorn Sts., and Sumner and Graham Aves. The total length of streets to be graded is 11,715 lin. ft., and average width to be graded 43 ft. A 5-in. concrete pavement will be laid 18 ft. wide except on portions of Spring St., where it is 25 ft. and at street intersections where it is 65 ft. The work will involve 18,650 cu. yds. excavation, 220,210 sq. ft. paving and four 10-in. galvanized corrugated iron culverts each 70 ft. in length. Paul E. Kressly of Newport Beach, is the Engineer.

VALLEJO, Solano Co., Cal.—The City Council, Alf E. Edgcumbe, City Clerk, has passed a resolution of intention No. 62 (Series A) providing for the construction of concrete curbs and sidewalks in Wislon avenue from Santa Rosa to Hitchborn street, etc.

T. D. Kilkenny is City Engineer.

MARTINEZ, Contra Costa Co., Cal.—The Shell Oil Company will start construction immediately on extensive improvements and additions to their plant as follows:

Three new units of the Trumble still system will be installed and operated in conjunction with four stills now in operation, bleacher houses will be enlarged, additional agitators built and dozens of new tanks ranging in capacity from 460 to 55,000 barrels of oil will be constructed. This work will necessitate many miles of new pipe lines being laid.

It is understood the cost will be between $1,250,000 and $1,500,000.

A portion of the work will be done by contracts and the balance by the company's forces.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors, R. R. Arnold, County Highway Engineer, have approved plans and specifications for paving the Borden Highway from Old River four miles to Byron. Estimated cost, $15,300.

The road is to be constructed of oil bound macadam.

The supervisors also accepted the plans and specifications for the construction of the lower San Pablo creek road leading to Richmond, 4.59 miles long. Estimated cost, $195,000.

Bids will be called for shortly. J. H. Wells is County Clerk.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed a resolution of intention providing for the improvement of Brown and Patterson avenues from California street to 3 feet southwest from Kansas street; Kansas street from Brown avenue to Patterson avenue and California street from Patterson avenue to 18 feet northwest from Brown avenue, by grading; constructing concrete curbs and gutters and paved with oil macadam; construction of corrugated iron culverts; brick storm water and cast iron inlets, etc.

MARTINEZ, Contra Costa Co., Cal.—The matter of awarding a contract for paving the county highway between Richmond and Giant has been laid over for one week by the Supervisors. J. H. Wells is County Clerk.

STOCKTON, San Joaquin Co., Cal.—Petitions have been presented the County Supervisors, Eugene D. Graham, County Clerk, asking that the road across the upper division of Robers Island be graveled. The work sought covers about five miles, which extends from the loop of paved highway at the eastern edge of the island to the old Mowry Ferry connection with Union Island.

On recommendation of County Engineer F. E. Quail the petitioners agreed that a crushed rock would be satisfactory owning to the expense of securing gravel.

SAN JOSE, Santa Clara Co. Cal.—The appointment of an engineer to submit a report on the conservation of flood waters in Santa Clara County for irrigation purposes was discussed at the last session of the County Supervisors, but action was deferred until the next meeting, when it is probable that an appropriation of $15,000 will be made to cover the cost of the survey.

Henry A. Pfister is County Clerk and Irving L. Ryder, County Engineer.

SALINAS, Monterey Co., Cal.—Up to May 3rd, 3 P. M., bids will be received by T. P. Joy, County Clerk, for unloading, hauling and spreading waste rock on the Salinas-Watsonville Road, from Werner Hill to a point one mile north of the Elkhorn Slough, in Road District No. 1.

SAN RAFAEL, Marin Co., Cal.—City Engineer Jones reported at the last meeting of the City Trustees that amended plans and specifications for the improvement of Mountain View avenue would be ready for approval at the next meeting.

Engineer Jones also reported that Picnic Valley residents were not favorably disposed toward the street improvements contemplated in the Southern Heights District.

The matter of improving Tamalpais avenue was laid over until the meeting of April 12th. Eugene W. Smith is City Clerk.

MODESTO, Stanislaus Co., Cal.—The Modesto City School District has awarded a contract to the Standard Paving Co. of Modesto for the paving of Fifth and Sixth streets between I and J streets at $1,750.

SAN ANDREAS, Calaveras Co., Cal.—The federal forest service has accepted the proposed project for a new road to be constructed between Murphys and the Calaveras Big trees, and will survey the route this summer.

The county and the forest service will construct a road between Hermit Springs, near West Point, to the Alpine highway near Big Meadows above Dorrington.

A. W. Poe is Clerk of the Calaveras County Board of Supervisors.

EL CENTRO, Imperial Co., Cal.—Peterson Bros., of Calexico, submitted the lowest bid at 32.55c sq. ft. for constructing 45 miles of 5½-in. concrete pavement, 1:2:4 mix, 16 ft. wide on the county highway system. Warren Bros. Co. submitted the only other bid at 33.09c sq. ft. for constructing a 5-in Warrenite-bitulithic pavement. Concrete pavement will cost under Peterson Bros.' bid $27,456 per mile and Warrenite paving under Warren Bros.' bid $27,931 per mile. The bids were taken under advisement, pending a decision on the regularity of Peterson Bros.' bid, question having been raised as to the sufficiency of the certified check submitted with it.

## RAILROADS

PORTOLA, Plumas Co., Cal.—A gang of surveyors is now working on the new railroad to be built by the Western Pacific Company for Arthur E. Davies to connect his timber land with the Western Pacific Railroad.

A hotel, cottages, amusement hall, etc., will be built as soon as possible.

SANTA ROSA, Sonoma Co., Cal.—The Northwestern Pacific Railroad Company in its latest monthly bulletin announces that the narrow gauge line from Manor in Marin County to Camp Meeker in Sonoma County, will be standardized in the immediate future.

# Official Proposals.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by undersigned until **2 o'clock P. M., May 3, 1920,** for constructing a portion of the State Highway System of Nevada from Washoe Summit to one mile south of Huffakers, Washoe County, 8.25 miles. Work consists of 4400 cu. yds. excavation unclassified, 72,618 sq. yds. cement concrete paving, 6 inches thick. Corrugated metal pipes and concrete headwalls.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the County Clerk's office in Reno. Cash deposit of $15.00 with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids MUST be on proposal form of Highway Department and accompanied by a certified check in an amount of 5% of the bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### BIDS WANTED FOR U. S. HOSPITAL.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be opened at the Office of the Commanding Officer, Benicia Arsenal, Cal., **at 11:00 A. M., May 15, 1920,** for the construction of a Hospital Building (Eight bed Infirmary) one-story, of hollow tile construction.

Drawings and specifications may be obtained from this office in the discretion of the Commanding Officer.

E. P. O'HERN,
Colonel, Ord. Dept., U. S. A., Commanding.

### BIDS WANTED FOR KITCHEN EQUIPMENT.

Your attention is invited to the fact that proposals will be opened in the near future on drawings and specifications No. 4097, covering Kitchen Equipment for six Barracks Buildings, Marine Corps Base, San Diego, California.

The drawings and specifications may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, 12th Naval District, Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. N., Tinken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The six kitchens are to be provided with modern and adequate equipment, which is to be properly installed and connected to steam, gas, vent, water, waste and drip services.

The estimated cost is $22,000.00.

Yours truly,
R. L. MORTON,
Lieutenant Commander (CEC), U. S. N. By direction of the Public Works Officer.

### BIDS WANTED FOR HOSPITAL BUILDING.

### NOTICE TO CONTRACTORS.

Office of the Clerk of the Board of Supervisors of the County of Sacramento, State of California.

Pursuant to an order of the Board of Supervisors of the County of Sacramento, made and entered on record on the 18th day of March, A. D. 1920,

Notice is hereby given that sealed bids will be received by the undersigned up to and not later than the **hour of two P. M., of the 3rd day of May, 1920,** at the office of said Board in the Court House building, 7th and 1 streets, Sacramento City, for the furnishing of all labor, materials and mechanical workmanship necessary for the construction of a Service and Children's Ward Building on the present County Hospital Grounds, City of Sacramento, County of Sacramento, State of California, in accordance with the plans and specifications prepared therefor by R. A. Herold, Architect, and adopted by the Board of Supervisors of the County of Sacramento, which plans and specifications may be seen and examined, during office hours, by intending bidders, at the architect's office, rooms 430-37 Forum Building, Sacramento, California.

All bids must be submitted on blank forms furnished by the Clerk of the Board, and must be accompanied with a certified check on some solvent bank, in a sum equal to ten per cent (10%) of the amount of each bid, conditioned that if the contract is awarded the party submitting the accepted bid will enter into contract and furnish such bond as may be required within ten days after making award, or, failing so to do, the amount of such check to be forfeited as liquidated damages for such failure. All checks to be made payable to the order of the Chairman of the Board of Supervisors of Sacramento County.

The Board reserves the right to reject any or all bids.

By order of the Board of Supervisors of Sacramento County, California.
Attest (Seal) HARRY W. HALL,
County Clerk and ex-officio Clerk of the Board of Supervisors of Sacramento County, California.
By F. M. Lampert, Deputy Clerk.
Dated, April 6th, 1920.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 3, 1920,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Tehama County, between Red Bluff and Northerly Boundary (II-Teh-3-C) about 13.6 miles in length to be paved with Portland cement concrete.

Placer County, between Auburn and Northerly Boundary (III-Pla-17-C) about 6.6 miles in length to be paved with Portland cement concrete.

Amador County, between Ione and Jackson (III-Ama-34-B), about 10.7 miles in length to be graded.

Imperial County, between Tule Wash and Gravel Wash (VII-Imp-26-D) about 6.5 miles in length to be paved with Portland cement concrete.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated: April 5, 1920.

### NOTICE TO CONTRACTORS.

BIDS for the construction of Chico High School in accordance with plans and specifications of Woollett & Lamb, Physicians' Building, Sacramento, are being called for.

Bids are to be filed prior to **seven P. M. April 23rd, 1920.** Certified check payable to the President of Chico High School Board, amounting to five per cent of proposal must accompany bid.

CHAS. H. CAMPER,
Clerk, Chico High School District.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned **until 2 o'clock P. M., April 26, 1920,** for constructing the following sections of the State Highway System of Nevada:

State Highway in Washoe County from Washoe Summit to Bowers Mansion, 4.69 miles. Work consists of grading, installation of drainage structures and concrete pavement 15 feet wide 6 inches thick.

State Highway in Ormsby County from Lakeview Summit to a point 1.85 miles south thereof. Work consists of grading and installation of drainage structures.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the County Clerk's office in Reno and Carson City. Cash deposit of $15.00 with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids MUST be on proposal form of Highway Department and accompanied by a certified check in an amount of 5% of the bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### NOTICE TO CONTRACTORS.

Attention is invited to the fact that proposals will be opened in the near future for the following work:

Drawings and specification No. 4114, covering Laundry, Bakery, and Refrigerating Plant, Industrial Building, Marine Barracks, Naval Base, San Diego, California.

The drawings and specification may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., to the Commandant, Twelfth Naval District, No. 417 Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. Navy, Timken Building, San Diego, California, by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The laundry equipment will consist of motor driven washers, extractors and tumblers, dry rooms, and electrically operated ironers and shapers and other accessories pertaining to a modern laundry. The Government will furnish some of this equipment, which will be installed by the contractor. The bakery equipment will consist of electric ovens, motor driven dough and cake mixers, dough molder, proofer divider, rounder, and other accessories necessary to equip an efficient bakery. The ice making and refrigerating plant will consist of duplicate, motor driven compressors, brine circulating pumps, an ammonia condenser, brine cooler, freezing tank, and other apparatus pertaining to a raw-water ice making plant, together with refrigerating equipment for the storage rooms. Included also as a part of the refrigerating equipment will be the meat tracks and hangers, and the insulation of the storage rooms. Connections are to be made to the electric, steam, return, waste, and water services.

The estimated cost is $55,000.00.

LEONARD M. COX,
Commander, C. E. C., U. S. Navy, Public Works Officer. (tf)

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned **until 2 o'clock P. M., April 19, 1920,** for the erection of two Pratt truss highway spans with timber trestle approach and control wier complete over the Virgin River near Bunkerville in Clark County, Nevada.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the county clerk's office in Las Vegas. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### BIDS CALLED FOR EXTENSION TO BUILDINGS AT GUAM.

Drawings and Specification No. 4141 covering Extensions to Power Houses, Pump House, Blower House and Quarters, Naval Station, Guam, M. I.

Attention is invited to the fact that proposals will be opened on the work mentioned above in the near future.

The drawings and specification may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, Navy Yard, Mare Island, Calif., by placing a deposit of twenty dollars ($20.00) as security for their safe return within five days after the award of the contract.

The power house extension at Agana will have concrete foundations and floor, steel frame, exterior walls and roof of galvanized corrugated steel, steel sash and metal covered doors. The extension to the power house at the Radio Station will have concrete frame, concrete walls, composition roofing and steel sash. The quarters will have concrete frame, metal lath and cement mortar walls, composition roofing, wood sash and doors, wood floor and interior finish. The pump house and the blower house will be similar to the extension to the power house at the Radio Station.

The estimated cost is $50,000.00.

R. L. MARTIN,
Lieut. Commander, (CEC), USN.,
By direction of Public Works Officer.

### BIDS WANTED FOR HOT WATER HEATING SYSTEM.

SEALED PROPOSALS will be opened in the Office of the Commanding Officer, Benicia Arsenal, Cal., **at 11:00 A. M., April 20th, 1920,** for the installation of hot water heating systems in Quarters Nos. 25, 26 and 27, Benicia Arsenal.

Drawings and specifications may be obtained from this office at the discretion of the Commanding Officer.

E. F. O'HERN,
Colonel, Ord. Dept., U. S. A., Commanding.

### BIDS WANTED FOR FRAME GYMNASIUM.

NOTICE TO CONTRACTORS.

NOTICE is hereby given that sealed bids will be received and opened by the Board of Trustees of the Biggs High School District, Butte County, California, up to **2 o'clock P. M., on the 28th day of April, 1920,** at the office of the High School Board in the City of Biggs, for the erection and completion of a frame Gymnasium and Auditorium Building adjacent to the present High School Building, all in accordance with plans and specifications made for the same by W. H. Weeks, the authorized Architect employed by the Board.

Bids will be received on the work as a whole with alternate propositions.

Plans and specifications can be seen at the office of the Clerk of the Board at Biggs, or at the office of the Architect, W. H. Weeks, 75 Post street, San Francisco, California.

A deposit of Ten ($10.00) Dollars cash will be required on all plans loaned out as a guarantee of good faith.

All bids must be made out on blank forms furnished by the Architect and must be accompanied by a check for not less than ten per cent (10%) of the amount bid, payable to Mr. W. M. Doty, Chairman of the Board and certified to by some responsible banking house. This check is to be forfeited in the event that the successful bidder, after having been awarded the contract, fails within ten (10) days to sign the contract and furnish a good and sufficient bond, as required by law.

The Board reserves the right to reject any and all bids.

W. M. Doty, Pres.,
J. A. HARVEY, Sr., Clerk,
J. R. McDONALD,
MRS. A. G. GLASS,
WM. H. HASELBUSCH,
Board of Trustees Biggs High School District.

(33492) 1st report Feb. 20, 1920. R

### BIDS WANTED FOR SAN FRANCISCO STREET IMPROVEMENT.

BIDS CLOSE MAY 5, 1920, BET. 2 AND 3 P. M.

The improvement of Balboa street from the westerly line of Thirty-third avenue to the westerly line of Forty-second avenue, by the construction of concrete curbs; artificial stone sidewalks; a 6-foot central strip of artificial stone sidewalk; brick catchbasins and an asphalt pavement.

BIDS CLOSE MAY 5, 1920, BET. 2 AND 3 P. M.

The improvement of Cabrillo street from the easterly line of La Playa to the easterly line of Forty-fifth avenue, of Forty-fifth avenue from the southerly line of Cabrillo street to the northerly line of Balboa street, and of Balboa street from the westerly line of Forty-fifth avenue to the easterly line of Forty-third avenue including all the intervening crossings with the exception of the crossings of Forty-fourth avenue and Balboa street, by resetting existing granite curbs; construction of concrete curbs; artificial stone sidewalks; a 6-foot central strip of artificial stone sidewalks; brick catchbasins, and an asphalt pavement.

### TULARE COUNTY SUPERVISORS ACCEPT SITE FOR COUNTY HOSPITAL.

VISALIA, Tulare Co., Cal.—The Board of Supervisors has accepted the site offered by the Tulare Board of Trade on which to erect the proposed new county hospital building, estimated to cost $300,000.

The site is located in the southern section of the City on the State highway.

Geo. R. Prestidge is County Clerk.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 979 | Wilson | White | 12000 |
| 980 | Sullivan | Fontanella | 30000 |
| 981 | Eisenbach | Fontanella | 2500 |
| 982 | Wilson | White | 1365 |
| 983 | Wilson | Western | 858 |
| 984 | Greer | Olson | 9740 |
| 985 | Metropolitan | Snook | 22216 |
| 986 | Gump | Taylor | 6100 |
| 987 | Redding | Maas | 500 |
| 988 | Whitteli | Owner | 2500 |
| 989 | Rolkin | Owner | 37500 |
| 990 | Miller | Owner | 9600 |
| 991 | Arnott | Owner | 3000 |
| 992 | Bailey | Nolan | 1550 |
| 993 | Johnson | Owner | 3500 |
| 994 | Funk | Owner | 500 |
| 995 | Nielsen | Mohler | 5000 |
| 996 | Pac. Union | Ehrhart | 10170 |
| 997 | Olsen | Olsen | 16000 |
| 998 | Rountree | Owner | 1000 |
| 999 | Castle | Wise | 500 |
| 1000 | Gibson | Owner | 4000 |
| 1001 | O'Connor | Owner | 1000 |
| 1002 | Philadelphia Shoe | Owner | 8500 |
| 1003 | Newton | Newton | 2500 |
| 1004 | Lilienthal | Swenson | 950 |
| 1005 | Paulson | Shields | 500 |
| 1006 | Serottory | Guttridge | 900 |
| 1007 | Cowen | Braas | 6685 |
| 1008 | O'Brien | Vukicevich | 4800 |
| 1009 | Carlisle | Fink | 950 |
| 1010 | Lewis | Cohen | 750 |
| 1011 | Swaller | Wygant | 2500 |
| 1012 | Flahavan | Owner | 7500 |
| 1013 | Peterson | Rege | 1475 |
| 1014 | Whitney | Wilson | 575 |
| 1015 | Kaher | Davis | 950 |
| 1016 | Wilkins | Fontanella | 900 |
| 1017 | Lewis | Cohen | 7625 |
| 1018 | Gleeson | Owner | 3500 |
| 1019 | Atkins | Maas | 500 |
| 1020 | Rivers | Owner | 2000 |
| 1021 | Taussig | Owner | 35000 |
| 1022 | Ondawa | Clinton | 254500 |
| 1023 | Stappenbeck | McIntosh | 4560 |

#### PERMITS.

DANCE STUDIO
(979) S STEVENSON 50 W Fifth. One story brick dance studio.
Owner—Wal Wilson, 38 5th St., San Francisco.
Architect—None.
Contractor—White & Gloor, 448 Monadnock Bldg., San Francisco.
COST, $12,000

ALTERATIONS
(980) SE CALIFORNIA AND FRONT. Alterations for entrance, marble work, plastering, painting, etc., for offices.
Owner—Sullivan & Eisenbach Co., Flatiron Bldg., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—Louis Fontanella, 1920 Pine St., San Francisco.
COST, $30,000

ALTERATION
(981) SW HOWARD AND SIXTH. New store front.
Owner—Eisenbach Co., Flatiron Bldg., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—Louis Fontanella, 1920 Pine St., San Francisco.
COST, $2500

#### RECORDED.

UNDERPINNING, ETC.
(982) SW TURK AND TAYLOR. Underpinning, brick work, concrete and sidewalk lights for north wall of Grand Hotel.
Owner—A. W. Wilson, Grand Hotel, San Francisco.
Architect—C. A. Meussdorffer, 1104 Humboldt Bank Bldg., S. F.
Contractor—White & Gloor, Monadnock Bldg., San Francisco.
Filed April 13, '20. Dated April 10, '20. Underpinned and needled .....$375
Completed and accepted ..... 648
Usual 35 days ..... 342
TOTAL COST, $1365
Bond, Sureties, Forfeit, none. Limit, 15 days after April 15. Plans and specifications filed.
NOTE: Permit also applied for today.

(983) STRUCTURAL STEEL ON above.
Contractor—Western Iron Works, 141 Beale St., San Francisco.
Filed April 13, '20. Dated April 10, '20. Completed and accepted .....$643
Usual 35 days ..... 215
TOTAL COST, $858
Bond, Sureties, Forfeit none. Limit, 20 days after April 12. Plans and specifications filed.

BUNGALOW
(984) LOT 20, AND E ½ LOT 21, BLK. 6, Crocker Amazon Tract. All work for a one-story frame bungalow.
Owner—Chas. W. Greer, 129 Julian Ave. San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—Andrew Olson, 289 Fell St., San Francisco.
Filed April 13, '20. Dated April 10, '20. Frame up .....$1850
Brown coated ..... 1850
Plaster finished and windows and outside doors in ..... 1850
Completed and accepted ..... 1850
Usual 35 days ..... 2385
TOTAL COST, $9740
Bond, $4870. Sureties, R. H. Meyer and Wm. Narrington, Jr. Forfeit, none. Limit, 90 days. Plans and specifications filed.

PLUMBING, ETC.
(985) NE PINE AND STOCKTON E 137-6XN 275. Plumbing and gas fitting for building.
Owner—Metropolitan Life Ins. Co., by Jas. Furlong, contractor.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—Frederick W. Snook Co., 596 Clay St., San Francisco.
Filed April 13, '20. Dated April 12, '20. Within 10 days from 1st of each month ..... 75%
40 days after ..... 25%
TOTAL COST, $22,246
Bond, Sureties, Forfeit, Limit, none. Plans and specifications filed.

#### PERMITS.

WORKSHOP.
(986) N CLAY bet. Stockton and Grant Ave. Construct workshop on roof, hollow tile walls, raise elevator pent house.
Owner—S. & G. Gump, 246 Post St., San Francisco.
Architect—Milton Latham and Louis M. Upton, associates, 454 Montgomery St., San Francisco.
Contractor—Taylor & Jackson, 409 Call Bldg., San Francisco.
COST, $6100

GARAGE
(987) NO. 64 LINARES AVE. One-story frame (private) garage.
Owner—A. P. Redding, 64 Linares Ave., San Francisco.
Architect—None.
Contractor—Maas& MacGahey, 3974 22nd St. & 565 Douglas St., San Francisco.
COST, $500

ADDITION
(988) S MANILA 120 E Grant Ave. Two-story brick (addition) for shoe repairing shop.
Owner—Whittell Realty Co., 166 Geary St., San Francisco.
Architect—None.
COST, $2,500

ALTER
(989) N McALLISTER 137-6 W Leavenworth. Place portion of an additional story on front of present five-story building, using reinforced brick walls with steel frame; also to put an additional story to the present building, in course of construction, with similar reinforced brick walls and steel frame.
Owner—Edw. Rolkin, 425 Kearny St., San Francisco.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.
COST, $37,500

DWELLINGS
(990) E NINETEENTH AVE. 325 and 350 S Balboa. Two one-story and basement frame dwellings.
Owner—Wm. A. Miller & Co., 743 5th Ave., San Francisco.
Architect—None.
Day's work. COST, $4,800 each

DWELLING
(991) S SUNNYSIDE AVE. 75 E Congo. One-story and basement dwlg.
Owner—Jas. A. Arnott, 2426 32nd Ave., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 2426 32nd Ave., San Francisco.
COST, $3000

REPAIRS
(992) W SHARON 80 S 15th. Repair fire damage to present building.
Owner—W. G. Bailey, 2124 15th St., San Francisco.
Architect—None.
Contractor—M. F. Nolan, 228 Noe St., San Francisco.
COST, $1,550

DWELLING
(993) W THIRTY-FIFTH AVE. 150 N Geary. One-story and basement frame dwelling.
Owner—Emil Johnson, 525-A 23rd Ave., San Francisco.
Architect—None.
COST, $3,500

DWELLING
(994) N THRIFT 125 W Plymouth. One-story frame dwelling.
Owner—J. J. Funk, 159 14th St., San Francisco.
Architect—None.
COST, $500

#### RECORDED.

BUILDING
(995) N BALBOA 75 N 25th Ave. All work for a one-story and basement frame building.
Owner—Hans and Hanne Nielsen, 150 10th Ave., San Francisco.
Architect—None.
Contractor—Thos. E. Mohler, 255 8th Ave., San Francisco.
Filed April 14, 1920. Dated Mar. 17, '20. Rough frame up .....$1250
Brown coated ..... 1250
Completed ..... 1250
Usual 35 days ..... 1250
TOTAL COST, $5000
Bond, Sureties, Forfeit, none. Limit, 90 days. No plans or specifications filed.
HOYT APRIL 14 bnegnlwnit..
ALA COMP ahaeslfic ..... ..
ALTER AND ADD
(996) N BY SACRAMENTO, E BY Mason, S by California and N by Cushman Place. Alterations and additions to 3rd floor bed rooms.
Owner—The Pacific Union Club, Prem.
Architect—Willis Polk & Co., Hobart Bldg., San Francisco.
Contractor—R. Ehrhart, Olympic Club, San Francisco.
Filed April 14, '20. Dated April 8, '20. On 15th of each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST,$10,170
Bond, $5,085. Sureties, American In-

demnity Co. Forfeit, none. Limit, July 8, 1920. Plans and specifications filed.
NOTE: Permit reported April 13th, 1920, No. 8?6

DWELLINGS AND GARAGES
(997) LOTS 25, 26, 27 PTN. LOTS 23 and 24, BLK. 3196, Westwood Park. All work for four one-story and basement frame dwellinge and garages.
Owner—Amanda A. Olsen, 68 Santa Ynez Ave., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Olaf Olsen, 68 Santa Ynez Ave., San Francisco.
Filed April 14, '20. Dated Dec. 11, '20.
Enclosed .....$4000
Brown coated ..... 4000
Completed and accepted ..... 4000
Usual 35 days ..... 4000
TOTAL COST, $16,000
Bond, Sureties, Forfeit none. Limit, 90 days. Plans and specifications filed.

**PERMITS.**

SALESROOM
(998) N HAYES 136 E Gough. One-story and basement brick auto sales room.
Owner—Richard Rountree, 408 Hugo St., San Francisco.
Architect—None.
Day's work. COST, $10,000

ALTERATION
(999) NO. 179 CARL. Alter for basement garage.
Owner—H. E. Castle, Hotel Fairmount, San Francisco.
Architect—None.
Contractor—L. N. Wise, 1274 Waller St., San Francisco. COST, $500

DWELLING
(1000) E FORTY-THIRD AVE. 72 N Balboa. One-story and basement frame dwelling.
Owner—Robert N. Gibson, Lankershim Hotel, 5th St. bet. Market and Mission, San Francisco.
Architect—None. COST, $4000

PAINT SHOP
(1001) W HOWARD 204-8⅝ N 12th. One-story brick auto paint shop.
Owner—Michael O'Connor, 1885 Golden Gate Ave., San Francisco.
Architect—None.
Day's work. COST, $10,000

MFG. BLDG.
(1002) N JESSIE 200 W 4th. Two-story reinforced concrete shoe repairing and light manufacturing building.
Owner—Philadelphia Shoe Co.; 825 Market St., San Francisco.
Architect—Bernard J. Joseph, 74 New Montgomery, San Francisco. COST, $8,500

DWELLING
(1003) S KIRKHAM 107-6 W 24th Ave. One-story and basement frame dwlg.
Owner—John and Alice Newton, 2025 Kirkham, San Francisco.
Architect—None.
Contractor—John Newton, 2025 Kirkham, San Francisco. COST, $2500

ALTERATIONS
(1004) NO. 899 MISSION ST. Remove and replace store front; marble work; entrance doors, etc.
Owner—Lilienthal Co., Alaska Commercial Bldg., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma St., San Francisco. COST, $950

ALTERATIONS
(1005) W SEVENTH 55 N Bryant. Construct 8" brick foundation; concrete floor, etc., for 2 flats.
Owner—A. Paulsen, 5 Central Ave., San Francisco.
Architect—None.
Contractor—Harry Shields, 5 Central Ave., San Francisco. COST, $500

ALTERATIONS
(1006) N SACRAMENTO 200 E Divisadero. Alter for private garage; cement floor; plaster front of flats, etc.
Owner—M. Scrottory 2325 Mission St., San Francisco.
Architect—None.
Contractor—P. H. Guttridge, 153 Central Ave. San Francisco. COST, $900

**RECORDED.**

PARTITIONS, ETC.
(1007) SW CALIFORNIA & FRONT. Office partitions, cases and fixtures.
Owner—M. S. Cowen, 225 Front St., San Francisco.
Engineer—Maurice Couchot, 110 Sutter St., San Francisco.
Contractor—Braas & Kuhn Co., 1916 Bryant, San Francisco.
Filed April 15, '20. Dated April 13, '20.
On completion .....$6685
TOTAL COST, $6685
Bond, Sureties, Forfeit, none. Limit, 35 days. Plans and specifications filed.

ALTERATIONS
(1008) SW CALIFORNIA & FRONT. Alterations and additions to building.
Owner—E. H. O'Brien, 201 California, San Francisco.
Engineer—Maurice C. Couchot, 110 Sutter St., San Francisco.
Contractor—M. E. Vukicevich & Spencer B. Bagge, 180 Jessie St., San Francisco.
Filed April 16, '20. Dated April 12, '20.
On completion .....$4800
TOTAL COST, $4800
Bond, Sureties, Forfeit, none. Limit, 32 days. Plans and specifications filed.
NOTE: Permit also applied for today.

**PERMITS**

ALTERATIONS
(1009) NO. 251 BUSH. Alter store front.
Owner—A. Carlisle Co., Premises.
Architect—Heller & Wilson, 57 Post St., San Francisco.
Contractor—Fink & Schindler Co., 226 13th St., San Francisco. COST, $950

ALTERATIONS
(1010) SW CLAY AND LEIDESDORFF. Remove interior partitions and alter front.
Owner—Edward and Henrietta Lewis, 308 Sacramento St., San Francisco.
Architect—W. C. Falch, Hearst Bldg., San Francisco.
Contractor—Robert Cohen, 1210½ Divisadero St., San Francisco. COST, $750

EXCAVATING, ETC.
(1011) NW CASTRO & EIGHTEENTH. Excavating, brick, marble, carpentry, plumbing work, etc., for market alterations.
Owner—J. Swaller, 909 Broderick St., San Francisco.
Architect—None.
Contractor—J. N. Wygant, 332 Divisadero St., San Francisco. COST, $2500

AUTO REPAIR SHOP
(1012) S ELLIS 132-6 W Larkin. One-story brick auto repair shop.
Owner—Oliver Flahavan, Cr. Architect.
Architect—C. O. Clausen, Hearst Bldg., San Francisco. COST, $7500

(1013) E HYDE bet. Greenwich and Lombard Sts. Construct and erect twelve patent chimneys for apartments.
Owner—C. Peterson, Premises.
Architect—None.
Contractor—G. A. Rege, 1609 Powell St., San Francisco. COST, $1475

ALTERATION
(1014) NOS. 464-6 AND 470 PINE ST. Changes on store front.
Owner—Mr. Whitney, Premises.
Architect—None.
Contractor—J. J. Wilson, 49 Belden Place, San Francisco. COST, $575

FOUNDATION, ETC.
(1015) N SEVENTEENTH 75 E Carolina. Raise dwelling, concrete foundation, construct back porch and steps.
Owner—Geo. Kaher, Premises.
Architect—None.
Contractor—Chas. Dairs, 1227 17th St., San Francisco. COST, $950

**PERMITS.**

ALTERATION
(1016) SW ELLIS AND VAN NESS Ave. Alter store front, marble and carpentry work, etc.
Owner—A. Wilkins, Hotel Savoy, San Francisco.
Architect—None.
Contractor—L. Fontanella, 1682 Eddy St., San Francisco. COST, $900

SHOP
(1017) N EDDY 112-6 E Polk. One-story brick class "C" machine shop.
Owner—Edward J. Lewis, 306 Sacramento, San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—R. Cohen, 1210 Divisadero St., San Francisco. COST, $7,625

ALTERATIONS
(1018) NO. 2906 JACKSON ST. General alterations and changes for flats.
Owner—James Gleeson, 581 5th Ave., San Francisco.
Architect—None. COST, $3500

EXCAVATION, ETC.
(1019) NO. 1911 LEAVENWORTH. Excavate, brick and concrete work for private garage.
Owner—David Atkins, 1055 Green St., San Francisco.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—Maas & McGahey, 3974 22nd St., San Francisco. COST, $500

REPAIRS
(1020) NO. 2335 PACIFIC AVE. Repair fire damage to apartments.
Owner—Rivers Bros., Phelan Bldg., San Francisco.
Architect—None.
Day's work. COST, $2000

GARAGE
(1021) NE SIXTEENTH AND ALBION Ave. Two-story reinforced concrete garage.
Owner—Rudolph J. Taussig, Cr. Architect.
Architect—J. L. Stewart, 1214 Claus Spreckels Bldg., San Francisco. COST, $35,000

**RECORDED**

WAREHOUSE
(1022) S BRYANT AND RINCON SE 160xSW 160. All work for five-story reinforced concrete warehouse.
Owner—The Ondawa Co., 268 Lee St., Oakland.
Architect—Earl B. Scott, Humboldt Bk. Bldg., San Francisco.
Contractor—Clinton Constr. Co., 140 Townsend St., San Francisco.
Filed Apr. 17, '20. Dated Mar. 6, '20.
On May 1st and 1st of each month thereafter ..... 90%
36 days after..... 10%
TOTAL COST, $254,500
Bond, $127,500. Surety, Maryland Casualty Co. Limit, 150 days after date of contract. Forfeit, $25 per day. Plans and specifications filed.

ALTERATIONS
(1023) S SUTTER 66-5 E Laguna S 95 xE 20-8. Concrete, plumbing, plaster, electric work and carpentry for alterations to two-story and basement frame building.
Owner—Chas. Stappenbeck, 1217 Polk St., San Francisco.
Architect—Matthew O'Brien and E. H. Hildebrand, 68 Post St., San Francisco.
Contractor—Wm. McIntosh.
Filed Apr. 17, '20. Dated Apr. 14, '20.
Building lathed .....$1140
White coated ..... 1140
Completed and accepted..... 1140
Usual 35 days..... 1140
TOTAL COST, $4560
Bond, $2300. Sureties, Karl Hassell and Wm. Smith. Limit, 60 days. Forfeit, $5. Plans and specifications filed.

**LEASES**

**San Francisco County.**

April 13, 1920—N SUTTER bet. Powell and Mason, No. 570 Sutter. Emma Gates Butler to Nathan Bentz and Philip G. Bentz as Nathan Bentz Company; 5 years; $9,960.
April 13, 1920—NO. 3780, 3782 TWENTY fourth St. John Lohmann to E. A. Thorrold; 5 years; $1500.
Apr. 14, 1920—NO. 6423 CALIFORNIA. Domenico Silvestri to Stephen Varellas. 15 months. $30 per month.
Apr. 14, 1920—NE GOLDEN GATE AND Van Ness Aves. Wall Estate Co to

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A. Mereen, Claremont Court.

**Redwood City.**
E. R. Diamond, Portola Road.

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Weinstock Nichols Co. 5 years. $34,200.

Apr. 16, 1920—SE POST AND FILLmore. Peter Rossi to B Delmas. 3 years 9 months. $300 per month.

Apr. 16, 1920—NE JONES AND O'FARrell No. 494 O'Farrell. Proctor Realty Co to Paul J Emree. 5 years. $3960.

Apr. 16, 1920—NW SIXTH AND STEVenson No. 26 Sixth St. Mary C Travers to M B Goldman and A H Kaplan. 2 years. $1800.

### NOTICE OF NON-RESPONSIBILITY.

**San Francisco County.**

Apr. 13, 1920—SE MARKET 225 NE Seventh. City Investment Co as to improvements on leased property .....

Apr. 16, 1920—E TWENTIETH AVE 125 S Pacheco S 25xE 100. George S Fall as to improvements on leased property .....

## COMPLETION NOTICES

**San Francisco County**

April 5, 1920—N TWELFTH & OTIS SW 66xNW 100. The McKee Co. to John E Beck.....April 5, 1920

April 5, 1920—N GREEN 103-1½ W Devisadero W 34-4½xN 137-6.. Al. Hanify to Kronnick Bros..... .....April 1, 1920

Apr. 6, 1920—W FOURTEENTH AVE 174 N from N line Cabrillo 25x120. J Harold Johnson to whom it may concern.....April 3, 1920

Apr. 6, 1920—W NINTH AVE 225 S Geary S 25xW 120 O L 275. Henry Blob to whom it may concern..... .....April 6, 1920

Apr. 6, 1920—NO. 51 GEARY and 722 Market St. The Western Union Co to Frederick W Snook..Mar. 29, 1920

Apr. 6, 1920—W MISSION 263-0¾ S 29th S 66-2 W 74 S 42-9 W 25-9 S 14-10 W 60-3 N 123-9 E 160 and strip of land 8 feet wide. Stephen Mariani to Golden Gate Iron Works .....April 3, 1920

Apr. 6, 1920—W PLYMOUTH AVE 200 N Grafton Ave N 50xW 112-6 Lots 45 and 46 Blk 8, Lakeview. Nels F Johnson to whom it may concern.. .....April 6, 1920

Apr. 6, 1920—NE VAN NESS AVE & Sutter. Macdonald & Kahn to whom it may concern...Apr. 3, 1920

April 7, 1920—W VALENCIA 107 N 24th N 62-3½xW 90. E. R. Prince to Monson Bros.....April 7, 1920

April 7, 1920—N CALIFORNIA 43-6 E Front E 44 N 94 W 87-6 S 26 E 43-6 S 68. American Finance & Commerce Co. to Walter Sorenson .....March 29, 1920

April 9, 1920—NW TWENTY-FIFTH and Homestead W 75xN 35. Lawrence Costello to McDonough & Costello .....April 5, 1920

April 9, 1920.—SE SUTTER and Mason E 75xS 62-6. Francisca Club to W. F. Perkins .....

April 9, 1920—W FORTIETH AVE. 50 S Balboa S 50xW 85. A. W. Mackillop to whom it may concern .....April 1, 1920

April 10, 1920—SE MARKET and 6th. Western States Life Insurance Co. to C. C. Morehouse .....

April 12, 1920—SW GEARY and 15th Ave. Ben Schloss to American Concrete Co.....April 9, 1920

Apr. 15, 1920—SE POLK AND SACRamento. S B Haber to whom it may concern.....Mar. 13, 1920

April 12, 1920—SE NINETEENTH and Bryant S 51-10xE 70. Chas. H. Lovell and Union Trust Co. to Jas. Cantley, March 22; W C. Duncan & Co.....April 5, 1920

April 13, 1920—LOTS 1 AND 2, BLK 3175, Westwood Park. J. Richard Kemp to Nelson Bros ..April 6, 1920

April 13, 1920—NE THIRTY-SECOND Ave. and Geary N 25xE 72. Alton R. Lapham to whom it may concern .....April 6, 1920

April 13, 1920—LOT 1, BLK. 3189 Westwood Park, lot 1, E 15 ft. lot 2, E 15 ft. lot 20, Blk. 3106, Westwood Park. Ida F. McCain to H. J. Hansen.....Dec. 22, 1919

April 13, 1920—SE POST AND Larkin E 37-6xS 87x6. Associated Oil Company to Alfred H. Vogt..... .....April 2, 1920

Apr. 14, 1920—NW SACRAMENTO and Embarcadero 18 on Sacramento by 50. H Bercovich Cigar Co to Wm Martin.....April 10, 1920

Apr. 14, 1920—S NEY 350 W Graut W 50xS 80 Pin Lots 1 and 2 Blk 3, College Hd Assn. Michael Costello to whom it may concern.Apr. 12, '20

Apr. 14, 1920—S POST 37-6 E Larkin. Edward Hohfeld to Richard J H Forbes.....April 14, 1920

April 15, 1920—E HYDE 56-6 N Greenwich N 56xE 56. Summit Corp. to Alexander Coleman..... .....April 5, 1920

April 15, 1920—E HYDE 57-6 N Greenwich N 56xE 56. Summit Corp. to A. W. Lawson.April 14, 1920

April 15, 1920—NE BALBOA AND 32nd Ave. E 125xN 75. Geo. A. Bertram to Theodore G. and Rollin E. Meyer.....April 15, 1920

April 15, 1920—W CONCORD 180 N Morse N 30xW 90. Patrick Horgan to whom it may concern..... .....April 15, 1920

### LIENS FILED.

**San Francisco County.**

April 1, 1920—W VALENCIA AND Mission SW 45, NW 100, NE 65, SE 87-6, S 23-5½ ptn. lot 21, Tiffany & Dean Tract. H. S. Thompson vs. L. F. Haubold and V. T. La Coste. ..... $61.30

Apr. 8, 1920—SE LONDON about 200 SW Brazil; No. 325 London. A E Lovett vs Stanley and Annie D Czeck .....$75

April 7, 1920—NE STOCKTON AND Pine E 137-6xN 275. Genevieve Granfield (as San Francisco Motor Drayage Co.) vs. Metropolitan Life Ins Co and A J Reeder....$2057

Apr. 8, 1920—NE PINE & STOCKTON E 137-6xN 275. R A Farrar and John Carlin (as Carlin Grading Co) vs Metropolitan Life Insurance Co., Corpn. and A J Reeder.....$595

April 9, 1920—NO. 44 FOURTH ST. (Argonaut Hotel), with a depth of 275 feet. Watts Electric Co. vs. Elmer S. Ekborn, Edward Rolkin and Society of California Pioneers .....$367.39

April 9, 1920—NW CHENERY 363 SW Roanoke. Jacob Ebneter vs. Mary V. Richardson .....$371.50

Apr. 14, 1920—NW KIRKHAM AND Eighth Ave W 32-6xN 100. Reinhart Lumber & Planing Mill Co vs David and Linda Herschley, R N Gibson and Thompson Realty Co.. .....$774.50

Apr. 16, 1920—SE EIGHTH AVE & Kirkham 33⅓ ft. on Kirkham and 100 ft. on 8th Ave. Robert N Gibson vs Karl Osten Schauman.$3030.50

### BUILDING COSTS IN CHINA ARE RISING.

**Capt. Robert Dollar Reports Chinese are Rapidly Nearing Occidental Standards.**

The Chinese are rapidly becoming educated to the Occidental standard, according to Capt. Robert Dollar, who gives as a sign of this progress in the Orient the fact that the new building he is erecting at Shanghai is to cost almost as much as it would if erected in this country.

While the contracts for the Shanghai building had not been finally signed before he left China several weeks ago, the estimates indicated that the price would be little below the cost of the recently completed California Street building, according to Captain Dollar. Both buildings will be very similar in style, material and size. Chinese labor is being used on the Shanghai structure under direction of American architects.

### CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES.

Bank clearings as reported to California Development Board by the several clearing house cities for last week showing the amount of increase on corresponding date last year:

| | | Increase |
|---|---|---|
| San Francisco.. | $148,304,637 | $40,521,313 |
| Los Angeles .... | 72,419,000 | 36,158,000 |
| Oakland ..... | 10,709,610 | 2,925,703 |
| Sacramento .... | 5,756,258 | 2,218,164 |
| San Diego..... | 3,276,682 | 1,185,441 |
| Fresno ..... | 4,624,952 | 2,152,676 |
| Stockton (b)... | 6,526,000 | ..... |
| San Jose (b).... | 5,373,659 | ..... |
| Bakersfield .... | 1,262,539 | 539,604 |
| Pasadena ..... | 2,169,642 | 640,542 |
| Santa Rosa..... | 402,065 | ..... |
| Long Beach..... | 3,286,176 | 1,683,619 |
| Berkeley ..... | 2,727,291 | ..... |

(b) Bank debits.

## BUILDING CONTRACTS

### Alameda County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 810 | Handy | Owner | 2500 |
| 811 | See Dro Separator | Rees | 10000 |
| 812 | Davis | Nelson | 900 |
| 813 | San Leandro | National | 2240 |
| 814 | Dungan | Owner | 1900 |
| 815 | Lombardi | Owner | 1800 |
| 816 | Knight | Knight | 3950 |
| 817 | Graff | Graff | 18000 |
| 818 | Aldrich | Graff | 12000 |
| 819 | Hughes | Graff | 12000 |
| 820 | Raffo | Uccello | 400 |
| 821 | Gallagher | Owner | 1900 |
| 822 | Theris | Owner | 500 |
| 823 | Amer. Can | Chicago | 4650 |
| 824 | Univ. Apparatus | Warren | 15600 |
| 825 | Langdon | Graff | 7500 |
| 826 | Langdon | Graaff | 7500 |
| 827 | Langdon | Graaff | 7500 |
| 828 | Brewer | Swenson | 450 |
| 829 | Beasley | Owner | 600 |
| 930 | Metal Trades | Scott | 8000 |
| 831 | Metal Trades | Owner | 1200 |
| 832 | Morse | Machio | 760 |
| 833 | Creyk | McPherson | 1500 |
| 834 | Baird | Owner | 3250 |
| 835 | Cowan | Larmer | 4200 |
| 836 | Many | Sommarstrom | 3000 |
| 837 | Kittleman | Heineman | 1000 |
| 838 | Fruit | Omo | 500 |
| 839 | Chaple | Haskell | 3000 |
| 840 | McMullen | Fedt | 4800 |
| 841 | Heck | Koenig | 4850 |
| 842 | Cal. Pack'g | Christenson | 10460 |
| 843 | Seaton | Allen | 850 |
| 844 | Dalzell | Kidder | 500 |
| 845 | Fredericksen | Owner | 2000 |
| 846 | Leiss | Short | 3500 |
| 847 | Hillen | Owner | 3900 |
| 848 | Nielsen | Owner | 450 |
| 849 | Knaak | Owner | 1500 |
| 850 | McAdam | Owner | 4000 |
| 851 | Sellers | Morse | 4000 |
| 852 | Hughes | Graff | 1000 |
| 853 | Pollard | Lodge | 3300 |
| 854 | Gilk | Corbett | 400 |
| 855 | Fernandes | Travasso | 1000 |
| 856 | Hillen | Owner | 3500 |
| 857 | Goranson | Owner | 11850 |
| 858 | Breunair | Graybill | 700 |
| 859 | Butler | Allen | 1000 |
| 860 | Dacha | Ruch | 500 |
| 861 | Aldrich | Graff | 1000 |
| 862 | City of Bkly | Scott | 13675 |
| 863 | Parker | Greuner | 18000 |
| 864 | Van Ostran | Walden | 2500 |
| 865 | McChesney | Owner | 5000 |
| 866 | Torassa | Malley | 480 |
| 867 | Ghirardelli | Malley | 425 |
| 868 | Herby | Owner | 5000 |
| 869 | Reel | Owner | 800 |
| 870 | Colby | Guarantee Constr. | 6000 |
| 871 | Donner | Bernhardt | 1425 |
| 872 | Gergewich | Anderson | 500 |
| 873 | Corse | Larmer | 500 |
| 874 | Cavarly | Frazee | 1865 |

DWELLING
(810) S HOPKINS 500 W Maple Ave., Oakland. One-story, five-room dwlg.
Owner—Pearl Handy, 1661 Hayes St., San Leandro.
Architect—None.
Day's work. COST, $2500

REFUSE BURNER
(811) THIRD AND GILMAN STS., Berkeley. Brick and steel refuse burner.
Owner—See Dro Separator Co., Prem.
Architect—None.
Contractor—Rees Blow Pipe Mfg. Co., 340 7th St., San Francisco.
COST, $10,000

ALTERATION
(812) NO. 2227 PARKER ST., Berkeley. Alteration.
Owner—Mrs. A. Davis, Premises.
Architect—None.
Contractor—E. F. Nelson, 1048 Keith Ave., Oakland.
COST, $900

ROOFING
(813) S THORNTON ST., E Alvarado St., N Parrott St., San Leandro, T. & G. roofing for cannery building.
Owner—San Leandro Canning Co., San Leandro.
Architect—Leonard H. Thomas, 362 Moss St., Oakland.
Contractor—National Roofing Co., Oakland.
Filed April 12, '20. Dated April 7, '20.
Completed and accepted ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $2240
Bond, $1120. Sureties, Wm. Makin and J. E. MacCormac. Forfeit. Limit, none. Plans and specifications filed.

REPAIRS
(814) NO. 1748 EIGHTY-FIRST AVE. Fire repairs.
Owner—Le Paul Dungan, Premises.
Architect—None.
Day'a work. COST, $1900

DWELLING
(815) E EIGHTY-SIXTH AVE. 128 N D St., Oakland. One-story, 4-room dwelling.
Owner—E. Lombardi, 2001 Sutter St., San Francisco.
Architect—None.
Day'a work. COST, $1800

DWELLING
(816) W HAVENSCOURT BLVD. 640 S Arthur, Oakland. One-story, five-room dwelling.
Owner—Harry C. Knight, 357 12th St., Oakland.
Architect—None.
Contractor—Knight & Vaughn, 357 12th St., Oakland.
COST, $3950

APARTMENTS
(817) SW LAKESHORE BLVD. AND Wayne Ave., Oakland. Two-story, 8-room apartments.
Owner—Louise T. Graaff, Oakland.
Architect—None.
Contractor—Edwin C. Graff, 356 12th St., Oakland.
COST, $18,000

FLATS
(818) S LAKESHORE BLVD. 165 W Wayne Ave., Oakland. Two-story, 12-room flats.
Owner—Carra Aldrich, Oakland.
Architect—None.
Contractor—Edwin C. Graff, 355 12th St., Oakland.
COST, $12,000

FLATS
(819) S LAKESHORE BLVD. 100 W Wayne Ave., Oakland. Two-story, 12-room flats.
Owner—J. C. Hughes, Oakland.
Architect—None.
Contractor—Edwin C. Graff, 355 12th St., Oakland.
COST, $12,000

ALTERATION
(820) NO. 1719 PERALTA ST., Oakland. Alteration.
Owner—S. Raffo, 1703 Peralta St., Oakland.
Architect—None.
Contractor—D. Uccello, 434 Avon St., Oakland.
COST, $400

DWELLING
(821) W PERALTA AVE. 500 N Carmel, Oakland. One-story, 4-room dwelling.
Owner—M. E. Gallagher, 3987 Peralta Ave., Oakland.
Architect—None.
Day's work. COST, $1900

ALTER AND ADD
(822) NO. 3932 THIRTY-NINTH AVE., Oakland. Alter and add.
Owner—John Theris, Premises.
Architect—None.
Day's work. COST, $500

TOWER
(823) THIRTY-SEVENTH AVE. AND E-8th St., Oakland. Steel tank tower.
Owner—American Can Co., Premises.
Architect—None.
Contractor—Chicago Bridge & Iron Works, Call Bldg., San Francisco.
COST, $4650

BUILDING
(824) E McGEE 150 N Bancroft Way, Berkeley. Three-story frame Mfg. building, except heating, elevator, electric fixtures, and circular stairway.
Owner—The University Apparatus Co., Berkeley.
Architect—James W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—C. H. Warren, 2615 Derby St., Berkeley.
Filed April 13, '20. Dated April 10, '20.
2nd floor joists in place..... 1-5
Roof on ..... 1-5
Plastered ..... 1-5
Completed and accepted ..... 1-5
Usual 35 days ..... 1-5
COST, $15,600
Bond, Sureties, Forfeit ,none. Limit, 80 days. Plans and specifications filed.

DWELLING
(825) W WAYNE corner Stow, Oakland. Two-story, eight-room frame dwelling.
Owner—Langdon & Aldrich, Oakland.
Architect—None.
Contractor—Edwin C. Graff, 355 12th St., Oakland.
COST, $7500

RESIDENCE
(826) NW WAYNE AND STOW, Oakland. Two-story, eight-room residence.
Owner—Langlon & Aldrich, Oakland.
Architect—None.
Contractor—Edwin C. Graff, 355 12th St., Oakland.
COST, $7500

DWELLING
(827) W WAYNE AVE, 50 S Lakeshore Blvd., Oakland. Two-story, 8-room dwelling.
Owner—Langdon & Aldrich, Oakland.
Architect—None.
Contractor—Edwin C. Graff, 355 12th St., Oakland.
COST, $7500

ALTERATIONS
(828) NO. 1042 CENTRAL AVE., Alameda. Alterations.
Owner—C. F. Brewer.
Architect—None.
Contractor—L. Swenson, 2242 Encinal Ave., Alameda.
COST, $450

ALTERATIONS
(829) NO. 722 HAIGHT AVE., Alameda. Alterations.
Owner—A. J. Beasley, Premises.
Architect—None.
Day's work. COST, $600

ADDITION
(830) OAK AND CLEMENT STS., Alameda. Additions.
Owner—Metal Trades Foundry Corp., Premises.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland.
COST, $8000

TRANSFORMER HOUSE, ETC.
(831) OAK AND CLEMENT STS., Alameda. Transformer house, compresser house and alterations.
Owner—Metal Trades Foundry Corp., Premises.
Architect—None.
Day's work. COST, $1200

GARAGE
(832) NO. 2119 EUNICE ST., Berkeley. Garage.
Owner—N. O. Morse, Premises.
Architect—None.
Contractor—Machio Bros.
COST, $760

REPAIRS
(833) NO. 2115 DELAWARE ST., Berkeley. Repairs.
Owner—Robert Creyk, 1815 Walnut St., Berkeley.
Architect—None.
Contractor—S. McPherson, 2157 Ashby Ave., Berkeley.
COST, $1500

DWELLING
(834) W McGEE 90 N Cedar, Berkeley. One-story 5-room dwelling.
Owner—F. G. Baird, 1525 Oak St., Oakland.
Architect—None.
Day's work. COST, $3250

DWELLING
(835) S ALMA AVE 500 E Excelsior Ave., Oakland. One and one-half-story 6-room dwelling.
Owner—F. J. Cowan, Santa Monica, Calif.
Architect—None.
Contractor—Edw. Larmer, 470 Boulevard Way, Oakland.
COST, $4200

DWELLING
(836) SW EIGHTY-NINTH AVE AND Birch St., Oakland. One-story 4-room dwelling.
Owner—J. Many, 744 Grand Ave., Okd.
Architect—None.
Contractor—Axel Sommarstrom, 109 Sunnyside Ave., Oakland.
COST, $3000

SHOP
(837) S E-FOURTEENTH 100 W 94th Ave., Oakland. One-story 1-room shop.

Owner—E. Kittleman.
Architect—None.
Contractor—C. J. Heinemann.
COST, $1000

ALTERATIONS
(838) SE FOURTH AND FRANKLIN, Oakland. Alterations.
Owner—Fruit & Produce Realty Co.
Architect—None.
Contractor—Fred Omo, 2128 11th Ave., Oakland.
COST, $500

BATTERY STATION
(839) N FOURTEENTH 150 W Harrison, Oakland. One-story brick battery station.
Owner—Chaple & Kuster.
Architect—None.
Contractor—L. F. Haskell, 826 Cleveland Ave., Oakland.
COST, $3000

DWELLING
(840) N PARK BLVD. 100 N Brooklyn, Oakland. One-story 7-room dwelling.
Owner—McMullen Estate.
Architect—None.
Contractor—Fedt Bros., 528 25th St., Oakland.
COST, $4800

DWELLING
(841) THORNHILL ROAD, Oakland. One-story 6-room dwelling.
Owner—Carl Heck, 424 Oakland Ave., Oakland.
Architect—None.
Contractor—Fred G. Koenig, 445 Oakland Ave., Oakland.
COST, $4850

ADDITION
(842) OPP. BEACH AND HALLECK, Emeryville. One-story concrete, brick and frame add to factory.
Owner—California Packing Corporation,, 101 California St., S. F.
Architect—Philip L. Bush, 101 California St., San Francisco.
Contractor—C. Christenson & Son, 351 12th St., Oakland.
Filed April 13, '20. Dated April 12, '20.
Roof boards on .....$3500
Completed and accepted ..... 4345
Usual 35 days ..... 2615
TOTAL COST, $10,460
Bond, Sureties, Forfeit, none. Limit, 40 days. Plans and specifications filled.

ADDITION
(843) NO. 3130 COLLEGE AVE., Berkeley. Addition.
Owner—Scott Seaton, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley.
COST, $850

ALTERATIONS
(844) NO. 1808 GROVE ST., Berkeley. Alterations.
Owner—Mrs. F. E. Dalzell, Premises.
Architect—None.
Contractor—H. C. Kidder, 2075 Addison St., Berkeley.
COST, $500

ALTERATIONS
(845) NO. 2630 HASTE ST., Berkeley. Alter dwelling into apartments.
Owner—A. C. Frederickson, 2226 Haste St., Berkeley.
Architect—None.
Day's work.
COST, $2000

DWELLING
(846) N AILEEN 140 W Los Angeles, Oakland. One-story 5-room dwlg.
Owner—J. H. Leiss.
Architect—None.
Contractor—C. W. Short, 245 Acton Place, Oakland.
COST, $3500

DWELLING
(847) W BELVEDERE 442 N Ygnacio, Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work.
COST, $3900

ALTERATIONS
(848) NO. 3566 DIAMOND AVE., Oakland. Alterations.
Owner—N. Nielsen, Premises.
Architect—None.
Day's work.
COST, $450

ALTERATIONS
(849) NO. 1330 E-THIRTY-SECOND St., Oakland. Alterations and additions.
Owner—J. B. Knaak, Premises.
Architect—None.
Day's work.
COST, $1500

DWELLING
(850) N FORTY-NINTH 100 E Webster, Oakland. Two-story 6-room dwelling.
Owner—Alex McAdam, 4974 Webster St., Oakland.
Architect—None.
Day's work.
COST, $4000

ALTERATIONS
(851) NO. 719 FIFTY-FOURTH ST., Oakland. Alter two-story dwelling into apartments.
Owner—Oscar Sellers, 1609 Scenic Ave., Berkeley.
Architect—None.
Contractor—T. O. Morse, 1398 Scenic Ave., Berkeley.
COST, $4000

GARAGE
(852) S LAKESHORE BLVD. 100 W Wayne, Oakland. One-story concrete garage.
Owner—J. C. Hughes.
Architect—None.
Contractor—E. C. Graff, 355 12th St., Oakland.
COST, $1000

DWELLING
(853) SW FOOTHILL BLVD. AND 57th Ave., Oakland. One-story 5-room dwelling.
Owner—E. Pollard.
Architect—None.
Contractor—C. F. Lodge, 5494 Bond St. Oakland.
COST, $3300

ALTERATIONS
(854) NO. 895 LAKESHORE AVE., Oakland. Alterations.
Owner—A. C. Gilk, Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland.
COST, $400

WAREHOUSE
(855) N MAINE WAY 50 E 18th Ave., Oakland. One-story warehouse.
Owner—A. Fernandes, 1806 E-14th St., Oakland.
Architect—None.
Contractor—F. Travasso, 1826 E-15th St., Oakland.
COST, $1000

DWELLING
(856) W RAWSON 442 N Trask St., Oakland. One-story 5-room dwelling
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work.
COST, $3500

DWELLINGS
(857) W THOMAS 284, 322 and 361 N Napa, Oakland. Three one-story 6-room dwellings.
Ownerf—H. Goranson, 3476 Laguna Ave., Oakland.
Architect—None.
Day's work.
COST, $3950 each

REPAIRS
(858) NOS. 1940-1942 THIRTEENTH Ave., Oakland. Repairs.
Owner—Martin Breunair, Federal Bldg. Oakland.
Architect—None.
Contractor—Wm. Graybill, 2040 13th Ave., Oakland.
COST, $700

ALTERATIONS
(859) NW TWENTY-SIXTH AND OAKland Ave., Oakland. Alterations.
Owner—Butler & Veitch.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley.
COST, $1000

ALTERATIONS
(860) NO. 5098 TELEGRAPH AVE., Oakland. Alterations.
Owner—John Dacha, Premises.
Architect—None.
Contractor—A. S. Ruch, 4820 Clark St., Oakland.
COST, $500

GARAGE
(861) S LAKESHORE BLVD. 166 W Wayne, Oakland. One-story concrete garage.
Owner—C. Aldrich, 355 12th, Oakland.
Architect—None.
Contractor—Edwin C. Graff, 355 12th St., Oakland.
COST, $1000

PLUMBING
(862) BOUNDED BY GROVE, BANcroft Way, Channing Way and Milvia, Berkeley. All work for plumbing for high school.
Owner—Berkeley High School District, etc.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—Scott Co., 381 11th St., Oakland.
Filed Apr. 15, '20. Dated Mar. 26, '20.
1st Saturday after 1st Tuesday of each month ..... 75%
Usual 35 days ..... 25%
TOTAL COST, $13,675
Bonds, $7000 and $7000. Surety, New Amsterdam Casualty Co. Limit, as soon as possible. Forfeit, none. Plans and specifications, none.

STORES
(863) E BROADWAY 150 N Moss Ave., Oakland. One-story hollow tile stores.
Owner—W. Parker, 570 Walla Vista Ave., Oakland.
Architect—None.
Contractor—W. Greuner, 176 Grand Ave., Oakland.
COST, $18,000

DWELLING
(864) S CONGRESS 100 W 47th Ave., Oakland. One-story, 4-room dwlg.
Owner—A. F. Van Ostran, 4130 E-15th St., Oakland.
Architect—None.
Contractor—J. T. Walden, 2312 Courtland Ave., Oakland.
COST, $2500

DWELLING
(865) E EDGEWOOD AVE. 44 S El Centro, Oakland. One-story, 6-room dwelling.
Owner—W. E. McChesney, 1315 San Luis Ave., Oakland.
Architect—None.
Day's work.
COST, $5000

GARAGE
(866) NO. 104 GRAND AVE. Oakland. Garage.
Owner—Dr. Geo. Torassa, Oakland.
Architect—None.
Contractor—H. G. Malley, 2927 West St., Oakland.
COST, $480

GARAGE
(867) NO. 821 GRAND AVE., Oakland. Garage.
Owner—M. J. Ghiradelli.
Architect—None.
Contractor—H. G. Malley, 2927 West St., Oakland.
COST, $425

GARAGE
(868) S TWENTY-FIFTH ST. 305 E Telegraph, Oakland. One-story brick garage.
Owner—M. J. Herby, 3200 Ettle St., Oakland.
Architect—None.
Day's work.
COST, $5000

DWELLING
(869) N WILKIE 30 W Fair, Oakland. One-story, four-room dwelling.
Owner—A. G. Reel, 3834 West St., Oakland.
Architect—None.
Day's work.
COST, $800

STEVEDORING PLANT
(870) PARR TERMINAL (water front), Oakland. Steel stevedoring plant.
Owner—W. R. Colby, Jr.
Architect—None.
Contractor—Guarantee Construction Co., Chicago, Ill.
COST, $6000

ALTERATION
(871) NO. 350 FOURTEENTH ST., Oakland. Alteration.
Owner—M. Donner, 5215 Manila Ave., Oakland.
Architect—None.
Contractor—G. L. Barnhardt, 2161 Shattuck Ave., Oakland.
COST, $1425

ALTERATION
(872) NO. 425 THIRTEENTH ST., Oakland. Alteration.
Owner—Gergewich Bros., Premises.
Architect—None.
Contractor—John Andersen, 874, 34th St., Oakland.
COST, $600

GARAGE
(873) W COLLEGE AVE, 300 N Alcatraz, Berkeley. Garage.
Owner—L. Corse, Berkeley.
Architect—None.
Contractor—Edw. Larmer, 470 Boulevard Way, Oakland.
COST, $500

HEATING
(874) E ELLITTA bet. Grand and Belle View Ave., Oakland. Heating for apartment house.
Owner—Mrs. Evelyn Cavarly.
Architect—Schirmer Bugbee Co., Thayer Bldg., Oakland.
Contractor—L. D. Frazee, 699 36th St., Oakland.
Filed Apr. 17, '20. Dated Mar. 29, '20.
Roughed In ..... ¼
Completed ..... ½
30 days after..... ¼
TOTAL COST, $1865
Bond, limit, forfeit, none. Specifications only filed.

**NOTICE OF NON-RESPONSIBILITY.**

**Alameda County.**

April 13, 1920—PORT. AUGHENbaugh 223 Acre Tract, Alameda. Regina Scheyer as to improvements on leased property.

## COMPLETION NOTICES

### Alameda County

April 5, 1920—S BERKELEY WAY 150 E California St., Berkeley. Glennie and Nicholas Hebeisn to J. A. Pinkerton.....April 5, 1920
April 6, 1920—LOT 8 BLK "H" Map Excelsior Heights, Okd. Edna W and H Clay Morris to California Builders Co.....Apr. 5, 1920
Apr. 6, 1920—LOT 23 BLK "D," Lakewood Park, Piedmont. Minnie D Jackson to S G Jackson..Apr. 6, 1920
Apr. 6, 1920—LOT 30 BLK 8 and Lot 1 Blk 8, 4th Ave. Heights, Okd. W J Nicholson to Thad M Tupper.....March 31, 1920
April 7, 1920—NE EVERETT AVE. 350 SE Park Blvd. SE 38xNE 105.40, Oakland. Robert Land to whom it may concern.....April 7, 1920
April 7, 1920—S 33-6 LOT 45 and N 1-6 Lot 46 Blk 8 Map Havenscourt, Okd. Louis Steckler to whom it may concern.....Apr. 5, 1920
April 8, 1920—SE GRAND St. 50 SW Clinton Ave. SW 138 SW 50 NW 138 NE 50, Alameda. B. H. Wyman Taylor to Chas. Burton..April 8, 1920
April 10, 1920—S 33-6 LOT 43 and N 1-6, lot 42, Blk. 8, Map Havens Court, Oakland. Louis Steckler to whom it may concern...April 5, 1920
April 10, 1920—S 33-6 LOT 44 and N 1-6 lot 43, Blk. 8, Map Havens Court, Oakland. Louis Steckler to whom it may concern...April 5, 1920
April 10, 1920—LOT 20, BLK. C, Barnes Add to Elmwood Park, Oakland. Abby W. Endress to C. Texdahl.....April 1, 1920
April 14, 1920—SE MILES AVE. 365.91 SW College Ave. SW 96, SE 146, NE 79.32, NW 46.34, Oakland. Mary Berande to George W. Nunes.....April 12, 1920
Apr. 15, 1920—PTN LOT "Q" Range 7 Map Hardy Tract, Bkly. J P Brennan to whom it may concern .....Apr. 15, 1920
April 16, 1920—NW SIXTY-FIFTH and Whitney Sts., Oakland. J. A. Sullivan to various contractors, including H. J. Kopp and Wm. Makin.....April 1, 1920
April 16, 1920—LOT 11, BLK. D, Map "The Oaks," Oakland and Piedmont. Conrad W. Glantz to whom it may concern..April 14, 1920

**LIENS FILED.**

### Alameda County

Apr. 9, 1920—LOT 3 and Ptn Lot 2, Map Resbdvn Ptn Blk "N" Map Vernon Park, Okd. W B Moody and John Bajuk vs J Kann and Edward Bergenholtz.....$195
April 8, 1920—E ELLIS ST. 100 S Prince St., S 50-6xE 120, Berkeley. Samuel Braun vs. Carlton E. Herrick, Charles L. Williamson and Charles L. Williamson, administrator estate of Mary M. Herrick .....$127.00
Apr. 7, 1920—W TWENTY-THIRD Ave 75 N E-29th St. N 35xW 100, Okd. J. Strabnaw, $150; Chamberlain & Osgood, $27.60; Fred R Bammann, $18.79; Christ Christensen, $19.50; J Oswald, $12.50; Paul Gober, $19.65; E L Blackman Co., Inc. $965.72 vs Annie and Adolph Hendrickson and E O Francis and H Carlson (as Francis & Carlson..
April 10, 1920—LOT 9, BLK 1, Map Northbrae, Berkeley. J. L. Barrett vs. Martha S. and E. H. Foster .....$152.77
April 13, 1920—SE ELEVENTH AND Washington, Nos 1028, 30 and 32 Washington, 100 feet on Washington and 90.5 on 11th, Oakland. Sidi B. Newsom vs. Johanna L. Miller and Lulu Callischawn and Alma Westeahl and Geo. F. Lowe and Geo. F. Lowe & Co.....$1,350
Apr. 15, 1920—E 60.75 LOT 2 and N 22 Lot 1 Blk "A" Whitney Tract, Bkly. Fred W McDonald and H B Moore vs Myron Westover, Selah S Westover and Mathew Morton.$266.61

**BUILDING CONTRACTS.**

**Santa Clara County.**

BUSINESS BLOCK
S. FIRST THROUGH TO MARKET, San Jose. One-story concrete business block.
Owner—W. J. Curtner, San Jose.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Contractor—E. L. Wolfe, 131 Coe, San Jose.
COST, $19,250

ALTERATIONS
NO. 297 REED ST., San Jose. Alterations.
Owner—Wm. Moore, 297 Reed, San Jose.
Day's work. COST, $1500

ALTERATIONS
NW COR. POST AND VINE, San Jose. Alterations.
Owner—George Frank, Vendome Hotel, San Jose.
Architect—None.
Day's work. COST, $1000

RESIDENCE AND GARAGE
NO. 1431 WEBSTER ST., Palo Alto. Two-story frame residence and garage.
Owner—J. M. Johnson, Cowper Court Apts., Palo Alto.
Architect—Chas. Sumner, 57 Post St., San Francisco.
Contractor—F. W. Fox, 825 Cowper, Palo Alto.
COST, $18,000

GARAGE
NO. 222 HAMILTON AVE., Palo Alto. One-story reinforced concrete garage.
Owner—J. McIntosh.
Architect—Wyckoff & White, Salinas.
Contractor—Haggans & Warden, 222 Hamilton Ave., Palo Alto.
COST, $7500

RESIDENCE AND GARAGE
NO. 465 LOWELL AVE., Palo Alto. Two-story frame residence and garage.
Owner—F. W. Wheeler, 403 Kingsley, Palo Alto.
Architect—None.
Contractor—F. W. Armstrong 919 B, Palo Alto.
COST, $15,000

ALTERATIONS
NO. 215 KIPLING, Palo Alto. Alterations to residence.
Owner—T. B. Dalton, 215 Cowper St., Palo Alto.
Architect—None.
Contractor—G. G. Bertsche, 221 Kipling, Palo Alto.
COST, $500

RESIDENCE
NO. 1321 BYRON ST., Palo Alto. One-story frame residence.
Owner—Mrs. E. V. Cogswell, 207 Hawthorne Ave., Palo Alto.
Architect—None.
Contractor—J. W. Wells, 36 Guinda, Palo Alto.
COST, $3950

RESIDENCE
NO. 850 HAMILTON AVE., Palo Alto. Two-story frame residence.
Owner—Rolla V. Watt, San Francisco.
Architect—H. G. Stoner, San Francisco.
Contractor—J. J. O'Brien, Belmont.
COST, $7500

RESIDENCE
NO. 800 HAMILTON AVE., Palo Alto. Two-story frame residence.
Owner—Rolla V. Watt, San Francisco.
Architect—H. G. Stoner, San Francisco.
Contractor—J. J. O'Brien, Belmont.
COST, $9500

RESIDENCE
NO. 625 GURINA, Palo Alto. One-story frame residence.
Owner—Rolla V. Watt, San Francisco.
Architect—H. G. Stoner, San Francisco.
Contractor—J. O'Brien, Belmont.
COST, $5500

BUNGALOW
NO. 180 COLERIDGE, Palo Alto. One-story bungalow.
Owner—J. Dudfield, 607 Alma St., Palo Alto.
Architect—None.
Day's work. COST, $4000

BUNGALOW
NO. 211 MIDDLEFIELD ROAD, Palo Alto. One-story bungalow.
Owner—J. Dudfield, 607 Alma St., Palo Alto.
Architect—None.
Day's work. COST, $5000

ALTERATIONS
NO. 245 N-TWELFTH ST., San Jose. Alterations.
Owner—Dr. A. G. Bennett, Premises.
Architect—None.
Contractor—John Johnson.
COST, $500

ALTERATIONS
NO. 680 W-WILLIAM ST., San Jose. Alterations.
Owner—John Dellerdolfa, Premises.
Architect—None.
Day's work. COST, $400

**COMPLETION NOTICES.**

**Santa Clara County.**

Recorded Accepted
Mar. 25, 1920—SUNNYVALE, Cal. Inah A Andrus to Joseph Swain .....March 25, 1920
Mar. 25, 1920—LOT 7 of Cole Realty Co. Sbdvn, San Jose. L C Rossi and Alfred Baccus to whom it may concern.....March 25, 1920
Mar. 26, 1920—LOTS 5 AND 6 of Cole Realty Sbdvn, San Jose. Alfred Baccus and L C Rossi to whom it may concern.....March 25, 1920
Mar. 26, 1920—PALM HAVEN, San Jose. E A Bevens to whom it may concern.....March 25, 1920
Mar. 29, 1920—HOMESTEAD ROAD near San Jose. Alphouse Munusch to Wallace & Bush....March 23, 1920
Mar. 30, 1920—SAN JOSE, Cal. James Brown to whom it may concern.....March 30, 1920
Apr. 3, 1920—PALM HAVEN, San Jose. F L Bruch to A F Haskins .....April 3, 1920
Apr. 5, 1920—ALMADEN ROAD near San Jose. E Nommensen to Thomas Kelly.....April 3, 1920
Apr. 7, 1920—SAN JOSE. G W Ryan to Geo Linblum.....March 31, 1920
Apr. 12, 1920—San Jose. Albert J Spring and Alice J Spring to whom it may concern.....April 1, 1920
April 15, 1920—PALO ALTO. John Dudfield (three buildings) to whom it may concern.....April 8, 1920
April 16, 1920—SAN JOSE. Mary R. E. Lee to A. M. Whiteside.....April 15, 1920

**LIENS FILED.**

**Santa Clara County.**

Recorded Amount
April 15, 1920—EAST SAN JOSE, Cal. Consolidated Paint and Paper Company vs. William F. Petty, Clara B. Petty and G. L. Emery.. ..... $39.15

## BUILDING CONTRACTS.

### Fresno County.

DWELLING AND GARAGE
LOT 42, N. ELMHURST, Fresno. Dwelling and garage.
Owner—H. W. Stitt, 173 N Angus, Fresno.
Architect—None.
Day's work. COST, $4000

DWELLING AND GARAGE
PART OF LOTS 4, 5, BLK. 13, Wilson's North Fresno Tract, Fresno. Dwelling and garage.
Owner—A. P. Wilson, 1279 Wishon St., Fresno.
Architect—None.
Contractor—Shorb & Neads, 127 Fresno Ave., Fresno.
COST, $18,000

STORE
LOT 25, BLK. 88, Fresno. Store building.
Owner—Jacob H. Kasaian, 221 Howard St., Fresno.
Architect—None.
Contractor—S. L. Allen, 530 Forthcamp, Fresno.
COST, $6,000

ALTERATION
NO. 1902 MARIPOSA ST. Fresno. Alteration in basement.
Owner—Farmers National Bank, Prem.
Architect—None.
Contractor—E. Riggins, 317 Mason Bldg., Fresno.
COST, $3000

ADDITION
NO. 1385 SAN PABLO AVE., Fresno. Addition.
Owner—Maud Keefe, Prem.
Architect—None.
Contractor—Roy Willis, Fresno.

DWELLING AND GARAGE
LOTS 8 AND 9 BLK 1, Yosemite Addition, Fresno. Dwelling and garage
Owner—A. M. Chitty, 320 Poplar St., Fresno.
Architect—None.
Day's work. COST, $4000

ALTERATIONS
NO. 2043 MARIPOSA ST., Fresno. Alterations.
Owner—O. J. Woodward, 2440 Mariposa St., Fresno.
Architect—None.
Contractor—E. J. Farr, 245 Forthcamp St., Fresno.
COST, $1700

STAGE DEPOT
LOTS 11 TO 16, BLK. 75, Fresno. Stage depot.
Owner—J. M. Rustigian, 627 J St., Fresno.
Architect—None.
Contractor—R. W. Brown, Fresno.
COST, $58,820

ADDITION
NO. 469 VAN NESS AVE., Fresno. Addition.
Owner—Mrs. L. D. Pugh, Fresno.
Architect—None.
Day's work. COST, $2000

DWELLING AND GARAGE
LOTS 19-20, BLK. 69, K. B. HEIGHTS, Fresno. Dwelling and garage.
Owner—Pete Seiler, 2411 Grant St., Fresno.
Architect—None.
Contractor—L. M. Smith, Fresno.
COST, $4000

DWELLING AND GARAGE
LOTS 11-12, BLK. 12, COLLEGE ADD, Fresno. Dwelling and garage.
Owner—E. G. Richmond, Clinton St., Fresno.
Architect—None.
Contractor—C. P. Caine, 709 Mildreda, Fresno.
COST, $5500

DWELLING AND GARAGE
LOT 7, BLK. 17 ,WILSON TRACT, Fresno. Dwelling and garage.
Owner—H. T. Humphreys, 1040 Roosevelt, Fresno.
Architect—None.
Day's work. COST, $5000

DWELLING AND GARAGE
LOTS 39 AND 40, TEMPLE PARK, Fresno. Dwelling and garage.
Owner—Gertrude Glass, 106 N 5th St., Fresno.
Architect—None.
Contractor—M. C. R. Nelsen, 1375 Blackstone, Fresno.
COST, $4000

ADDITION
LOT 20, BLK. 153, Fresno. Addition.
Owner—Einstein Inv. Co., 201 Trust Co. Bldg., Fresno.
Architect—None.
Day's work. COST, $4000

DWELLING AND GARAGE
LOTS 30 AND 31, BLK. 2, ALLEN & Binford Tract, Fresno. Dwelling and garage.
Owner—Blackwell Bldg. Co., 202 Trust Co. Bldg., Fresno.
Architect—None.
Day's work. COST, $5000

DWELLING AND GARAGE
LOT 44 AND W 20 FT. LOT 43, BLK. 15, North Park Terrace, Fresno. Dwelling and garage.
Owner—W. O. Pickford, 1839½ Van Ness, Fresno.
Architect—None.
Day's work. COST, $5000

PLUMBING, ETC.
CLOVIS, Fresno Co., Cal. Plumbing and sheet metal work for school.
Owner—Board of Trustees of Clovis High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Robert Dalziel, Jr., 218 1st St., San Francisco.
Filed April, 13, 1920.
TOTAL COST, $8,102

STEEL AND IRON WORK ON ABOVE.
Contractor—Sartorius Co., 15th and Utah Sts., San Francisco.
Filed April 13, 1920.
TOTAL COST, $992

FINISHING HARDWARE ON ABOVE.
Contractor—Joost Bros., 3043-45 16th St., San Francisco.
Filed April 13, 1920.
TOTAL COST, $2270

TILE ROOFING ON ABOVE.
Contractor—Fibrestone & Roofing Co., 199 10th St., San Francisco.
Filed April 13, 1920.
TOTAL COST, $600

PAINTING AND FINISHING WORK on above.
Contractor—D. Zelinsky & Sons, 422 Turk St., San Francisco.
Filed April 13, 1920.
TOTAL COST, $5450

## COMPLETION NOTICES.

### Fresno County.

Recorded Accepted
April 10, 1920—LOTS 9 AND 10, BLK. 4, Alhambra Tract, Fresno. W. A. Mosgrove, Jr., to F. L. Pettey.... .....April 8, 1920
April 13, 1920—LOTS 39 AND 40, Blk. 4, Washington Heights Add, Fresno. H. O. Lawrence to whom it may concern.....April 13, 1920
April 8, 1920—LOT 201, FORKNER-Giffen Flg Gardens Sub. 1. Ella S. Kell to whom it may concern.. .....April 1, 1920
April 9, 1920—LOTS 7,8,, BLK. 4, Belridge Park. Guy Stockton to whom it may concern...April 1, 1920
Apr. 14, 1920—LOTS 9 AND 10 BLK 4, Lisenby Tract, Fresno. Helen E White to whom it may concern... .....April 13, 1920
Apr. 14, 1920—LOTS 19 AND 20 BLK 1, Dean Tract, Fresno. John J Hagan to whom it may concern... .....April 13, 1920
Apr. 14, 1920—LOT 24 BLK 6, Orchard Hill Add'n, Fresno. G Van Buskirk to whom it may concern. Apr. 13, 1920

## BUILDING CONTRACTS.

### Sacramento County.

REMODEL
NO. 1608 E ST. on W ½ of N ½ lot 2, E-F-16-17, Sacramento. Remodel one and one-half story dwelling.
Owner—T. J. Richter, Sacramento.
Architect—None.
Contractor—P. R. Peterson, 2410 V St., Sacramento.
COST, $4450

REMODEL
NO. 820-22 K ST. on E ½ lot 3, K-L-8-9, Sacramento. Remodel first floor interior and front.
Owner—M. Hornlein, Alexander Apts., Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento.
COST, $9000

REMODEL
NO. 814 K ST. on E ½ of W ½ lot 2, K-L-8-9, Sacramento. Remodel interior and first floor.
Owner—N. and B. Furton, Clunie Hotel, Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento.
COST, $15,000

ADDITION
NO. 409 J ST. on W 20 ft., lot 7, I-J-4-5, Sacramento. 20x30 foot addition to store.
Owner—Twitchell Estate, Palo Alto, Cal.
Architect—None.
Contractor—P. F. Reed, 2545 28th St., Sacramento.
COST, $3200

ADDITION
NO. 1215-31 FRONT ST. on S 45 ft. lot 2 and lot 3, Front-2-L-M, Sacramento. Two-story brick and concrete addition to new 1-story warehouse.
Owner—W. A. Curtis Estate, 115 J St., Sacramento.
Engineer—F. H. Reynolds, 2015 T St., Sacramento.
Contractor—A. W. Norris, 3020 G St., Sacramento.
COST, $55,000

REMODEL
NO. 810 K ST., Sacramento. Remodel Store Bldg.
Owner—McDowell & Harding, 2619 J St., Sacramento.
Architect—None.
Contractor—Siller Bros., 1614 13th St., Sacramento.
Filed Apr. 9, '20. Dated Apr. 6, '20
COST, $5407

DWELLING AND GARAGE
NO. 1026 FORTY-THIRD ST., lot 1760, W & K Tract 24, Sacramento. Dwelling and garage.
Owner—John Lagomarsino, 3900 H St., Sacramento.
Architect—None.
Contractor—J. A. Saunders, 2810 I St., Sacramento.
COST, $9000

REMODEL
NO. 720 J ST. on W ½ of N ½, lot 3, J-K-7-8, Sacramento. Remodel front and interior.
Owner—A. Coolet, 2200 T St., Sacramento.
Architect—None.
Contractor—Herndon & Finnigan, Sacramento.
COST, $1500

GARAGE
NO. 822 L ST. on N 90 ft. of W ½ lot 3, Sacramento. Public garage.
Owner—S. W. McKimm, 2015 H St., Sacramento.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.
Contractor—Herndon & Finnigan, Sacramento.
COST, $5000

## BUILDING CONTRACTS.

### San Joaquin County.

RESIDENCE
E CLEVELAND ST. bet. El Dorado and Hunter, Stockton. Residence.
Owner—Z. Belew, 349 E Wyandotte, Stockton.
Architect—None.
Day's work. COST, $2000

RESIDENCES AND GARAGES.
OAK AND STOCKTON STS., Stockton. Two residences and garages.
Owner—W. E. Dawson, 36 N Sutter St., Stockton.
Architect—None.
Day's work. COST, $4,000 each

## BUILDING CONTRACTS.

### San Joaquin County.

REMODEL
E MAIN bet. Sutter and California, Stockton. Remodel.
Owner—Simpson Bros., Stockton.
Architect—none.
Day's work. COST, $1000

RESIDENCE AND CONVENT
NORTH SAN JOAQUIN bet. Oak and Park Sts., Stockton. Residence and convent.
Owner—Rev. W. E. McGough, 203 E. Washington, Stockton.
Architect—None.
Day's work. COST, $30,000

## COMPLETION NOTICES.

### San Joaquin County.

Recorded Accepted
April 9, 1920—E 28½ FT. OF LOT 3, in block 1 E of Center St., Stockton. H. Gensen to Todden & Trewitt .....April 9, 1920

## TO BOND FOR COUNTY HIGHWAYS.

Reno, Nevada—The Washoe County Commissioners have decided to call an election to decide the question of issuing and selling bonds of $300,000 for the construction of county highways. The proceeds of the sale of the bonds will be used particularly for grading on the county road from Reno to the California State line at Purdy, a distance of 15 miles. It is estimated the grading will cost $4,000 per mile.

## FILIPINO AND HAWAIIAN CONCERNS MERGE

The greatest industrial event that has occurred in the Philippines during the past many years occurred about a month ago when the Honolulu Iron Works, a Hawaiian firm, and Earnshaw's Slipways and Engineering Company, a Filipino concern, were merged into a corporation known as Earnshaw's Docks and Honolulu Iron Works. This company as merged will engage in the manufacture of sugar milling machinery for the Philippine sugar industry and at the same time operate a great dry dock and ship repairing establishment.

The Honolulu Iron Works is noted for sugar machinery, being the makers of most of the mills in operation in Cuba, Hawaii and the Philippines. The entry of this concern into the Philippine field is of incalculable benefit to the Island's sugar industry.

The Earnshaw's Slipways and Engineering Co. is one of the foremost Filipino concerns in Manila. Its original plant was established in 1872. At present it employs about two thousand men in ship dry docking and repairing.

## SAN JOSE ARCHITECTS REPORT BUSY SEASON.

SAN JOSE, Cal.—Engineers and Contractors Wallas & Bush, Bank of San Jose Building, are preparing plans for an extensive building program to be undertaken by the California Prune & Apricot Growers' Association in various sections of the State.

Plans are now being prepared for a $125,000 reinforced concrete cannery building to be erected in Visalia, Tulare County; a reinforced concrete cannery at Sunnyvale, Santa Clara Co., and a steel and galvanized iron cannery building in Irvington, Alameda County. In addition to the above projects the company is also planning the construction of a reinforced concrete structure in Los Gatos, the estimated cost of which is $15,000. All work will be handled through the offices of Wallace & Bush.

Engineers Wallace & Bush have commenced the erection of a reinforced concrete and galvanized iron cannery building in Modesto for the California Co-Operative Canneries. The building will cost $125,000. Construction on a reinforced concrete cannery building in Visalia, for the same company has also been started. This structure will cost in the neighborhood of $150,000.

Architect Chas. S. McKenzie, Bank of San Jose Bldg., has awarded a contract to J. F. Collins of Palo Alto for the erection of a two-story frame and plaster residence in that city for M. C. Gallagher. The building will cost $12,000. Work has already been started.

Architect McKenzie has awarded a contract to J. B. Lamb, 640 S-Eleventh street, San Jose, for the erection of a one-story frame bungalow on First street, at at cost of $12,000.

The same architect is preparing plans for three frame residences to be erected in San Jose at a cost of $9,000, $15,000 and $20,000 respectively.

Architects Wolfe & Higgins, Auzerais Bldg., have awarded a contract to P. T. Jorgensen, Naglee and Dana streets, for alterations to be made to a two-story frame apartment building at 169 Park avenue for M. Mills. The work will cost about $15,000.

The same architects have awarded a contract to E. L. Wolfe, 131 Coe Street, for a one-story reinforced concrete store building to be erected for R. M. Wright on South First street near San Salvador. The building will cost $19,000.

In addition to the above improvements the same architects report the award of a contract to Z. O. Field, 167 S-Fourteenth street, for a one-story brick and terra cotta bank, store and motion picture theatre to be erected in Campbell, Santa Clara County, for the Campbell Building & Investment Co.

Architect Warren Skillings, Garden City Bank Bldg., has bids under advisement for a frame and plaster residence to be erected for M. E. Fall in Pacific Grove, Monterey County, the estimated cost of which is $20,000.

Architect Herman Krause, Bank of San Jose Bldg., will shortly award a contract for a two-story frame residence to be erected on South Twelfth street for Mrs. Wm. Haller. The building will cost $14,000.

Architect Krause has awarded a contract to G. Ladda for extensive alterations to the store building of H. Stackpole on South First street. The work when completed will represent an expenditure of $10 000.

## FRESNO COUNTY SUPERVISORS REJECT HIGHWAY BIDS. DAY LABOR SYSTEM PROBABLE.

FRESNO, Fresno Co., Cal.—Bids received by the County Supervisors, D. M. Barnwell, County Clerk, for the construction of the Del Rey-Adams avenue and Sanger-Ventura avenue links of the County Highway system have been rejected on recommendation of Engineer Chris P. Jensen. From present indications the work will be done by the county.

On the Del Rey unit the bids by specification and mileage average follow:

Specification No. 1: Hugh Crummey, $31,044 per mile.

Specification No. 2; Federal Construction Company, $31,562 per mile; Hugh Crummey, $29,766 per mile.

Specifications No. 3: Hugh Crummey, $26,925 per mile.

Specification No. 4: Federal Construction Company, $27,623 per mile; Hugh Crummey, $25,647 per mile.

The Ventura bids follow:

Specification No. 1: Hugh Crummey, $29,980 per mile.

Specifications No. 2: Federal Construction Co., $32,349 per mile; Hugh Crummey, $28,718 per mile.

Specification No. 3: Hugh Crummey, $25,882 per mile.

Specification No. 4: Federal Construction Co., $27,367 per mile; Hugh Crummey, $24,620 per mile.

To the Trade:

It looks as if hardwood lumber prices are commencing to stabilize.

People have had in mind that the prices of hardwoods were extremely high, but all will agree that when compared with other commodities they are not out of proportion. The real facts are that prices of hardwoods remained at comparatively a low level up to a year ago and then when the rise commenced, in order to catch up to their correct level in proportion to other commodities, they had to take some pretty long jumps. Hardwood prices have attracted attention because they reached their present standing a little suddenly.

Conditions at the present time, however, point to a stabilization and equalization of prices of the various hardwoods. By equalization is meant the adjusting of prices of the different hardwoods to their proper relation to one another according to their actual value. The prices of hardwoods can never go to the levels of former years because it is not within reason that labor will return to those levels. It cannot be expected that lumber will ever be as cheap as it was years ago when labor received $1.25 a day and forests were close at hand.

Prices may have reached the peak now; we hope they have; but we can not hope for any great recession. What we do expect is a stabilization at the present levels with a few readjustments which will work to the benefit of millmen, wholesaler and consumer.

It is a significant fact that prices of hardwood lumber itself, except in a few instances, have not had any recent advances while prices of further manufactured wood such as flooring and veneered panels have gone up.

We are enclosing you a slip, to be pasted in the front of our General Hardwood List No. 10, showing the discounts effective April 15th. The only changes are on Flooring, Panels and a few items of lumber.

You can rest assured that we will endeavor to keep you posted from time to time on the market as we see it.

Yours very truly,
WHITE BROTHERS,
C. H. WHITE,
Manager.

## SEWER PLANS ORDERED.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for a sewer in Second street, Beach Hill, from Younger Court to Cliff street.

S. A. Evans is City Clerk.

# Building & Engineering News

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Published Every Wednesday
Twentieth Year, No. 17



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Relations with Other Organizations ..... R. M. BEANFIELD

**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

Chapter Office — 700 Marston Building — 244 Kearny St., San Francisco

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Devoted to the Engineering, Architectural, Building and Industrial Activities of the Pacific Coast.

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Building & Engineering News

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# EDITORIAL

## SAN FRANCISCO ENTERING GREATEST INDUSTRIAL DEVELOPMENT.

### Records Compiled by Chamber of Commerce Shows Marked Increase in Industrial Activity.

San Francisco is now entering upon what is regarded by men competent to judge as the greatest period of industrial development in her history.

This development is heralded in records just compiled by C. A. Day, Director of the Industrial Bureau of the San Francisco Chamber of Commerce.

The records are for the first three months of the current year, and show a marked increase in industrial activity throughout the city.

No less than twenty-five important industrial enterprises are listed for the period, eighteen of which are new in San Francisco. Seven of the twenty-five are local houses which, owing to their increased business, have found it necessary to seek new and larger quarters.

It is conservatively estimated that this new business when in full operation will furnish steady employment to over fifteen hundred men and women.

The increasing importance of Pacific Coast trade and manufacturing is reflected in the names of men prominent in the business world which appear so frequently of late on the registers of the leading San Francisco hotels. In one week no less than seventeen executives of large eastern factories and business houses were registered as visitors to San Francisco, and this is a fair average of the showing made for several months past.

While many of these men profess to be in California in search of rest and recreation, it is known that they are not overlooking the trade and manufacturing possibilities of the Pacific Coast. In fact, negotiations are now under way which will result in several new and important industries for San Francisco.

It is interesting in this connection to look forward to what San Francisco has to offer in the way of sites for big industries. A careful survey of the situation must result in the elimination of everything except Hunter's Point and the district to the south along the Bay Shore, for nowhere else on the peninsula is there an unoccupied area rightly located and of sufficient size to provide room for big industrial development.

Within the past month Dr. B. M. Rastall, who directed the Chamber of Commerce industrial survey of San Francisco several years ago, said in the presence of several executives of the Chamber while at Hunter's Point on a tour of inspection:

"Here lies a greater opportunity for industrial development and expansion than anywhere else in the United States.

"With three transcontinental lines coming into San Francisco here, adjacent to water sixty feet deep, the possibilities of developing a huge industrial area are unequalled."

With all signs indicating that San Francisco is on the threshold of this great period of industrial development, the Industrial Bureau of the Chamber of Commerce points out that it is the duty of her citizens to make the most of the opportunity which now presents itself.

In the face of competition from adjacent cities which can offer the prospective manufacturer large tracts of desirable land at low costs, it is imperative that San Francisco give immediate consideration to the grading of Hunter's Point and the conversion of this comparatively unimproved and unoccupied section for industrial purposes.

It is estimated that the grading of Hunter's Point back to Railroad avenue, including the suhmerged land reclaimed by filling, would produce an area of 3,500 acres.

## PAYMENT FOR ESTIMATING CONSTRUCTION WORK

Resolutions adopted by the joint conference of the American Institute of Architects, Engineering Council and the Associated General Contractors of America on payment for estimating construction work were endorsed by the last named organization at its annual convention. The resolutions are as follows:

Whereas, there is great economic waste in the present usual methods of individual estimating of the same quantities by several different bidders on the same project; therefore, be it

Resolved, That the following are the conclusions of this conference:

(1) That any system of duplication of effort in estimating wherein each bidder separately estimates the quantities should be condemned.

(2) That all competitive bids should be based upon a detailed schedule of quantities prepared from a survey of the plans and specifications and submitted therewith, the cost of the preparation of such surveys of quantities borne by the owner.

(3) That while the owner should furnish a quantity survey as the basis of bids and contracts, and should submit them with the plans and specifications, and should pay for the same, the bidders should make no charge to the owner for submitting proposals, based on said plans, specifications and quantity survey.

(4) That in general competitive bids should not be invited nor submitted on projects, the plans and specifications for which are not accompanied by a quantity survey, unless the owner agrees to pay a predetermined fee to each bidder for preparing the quantities and submitting an estimate.

This conference proposes to prepare and present at a later date an outline of recommended practice in conformity with the above resolutions.

## LOS ANGELES BUILDERS' EXCHANGE ELECTS OFFICERS.

LOS ANGELES, Cal.—Officers to serve for the year beginning May 1, 1920, were elected by the Builders' Exchange of Los Angeles, at the primary election, a majority vote for all the leading candidates making a general election unnecessary. Following are the officers selected:

President, Walter R. Simons; first vice-president, John F. Blee; second vice-president, A. J. Crawford; treasurer, Fred E. Potts.

Directors: Carl Ripling, for cement contractors; A. S. Hyler, electrical contractors; L. B. Webster, glass and paint dealers; James C. Hanley, iron and steel manufacturers; W. P. McArthur, plumbing contractors; John B. Williams, roofing contractors; Wm. Hart Boughton, unclassified crafts, all newly elected; Godfrey Edwards, general contractors; W. H. C. Ness, cornice and sheet metal contractors; P. C. Thompson, lime and cement dealers; E. S. Upton, sand and gravel dealers, all holdovers; Harry Johnson, brick mason contractors; J. J. O'Connor, plastering contractors; James Miles, painting contractor; L. S. Collins, burned clay products, all appointed.

## PRODUCING MARBLE.

TONOPAH, Nev.—Dimension marble large enough to serve for the cornerstone of the largest skyscraper ever planned is now being quarried at Carrara, where the company is branching out on a great scale to fill orders for marble of any dimensions.

# American Association of Engineers

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## NEWS FROM NATIONAL HEAD-QUARTERS.

**Tentative Program for Fifth Annual Convention—Planters Hotel, St. Louis, May 10-11, 1920.**

8:00 A. M. Registration of Delegates, Members, and Guests. Examination of Credentials.
9:00 A. M. Minute Reports from Chapter Delegates.
10:00 A. M. Welcome to St. Louis, Mayor Harry W. Kiel.
10:15 A. M. Reading of Minutes. Appointment of Judges of Election. Reports of Officers (President, Treasurer, Secretary). Reports of Standing Committees (Auditing, Practice, Qualifications).
10:45 A. M. Shall a Special Charge for Special Service be Made by the Employment Department?
11:15 A. M. Reports of Special Committees. Education, Ethics, Finance, Legislation, Membership. Salaries of Engineers in Public Service. Sub-Committee on Salaries of Engineers in Municipal Service. Committee on Salaries of Engineers in Teaching Service.
12:15 P. M. A Permanent Home for A. A. E.
12:30 P. M. Luncheon, Courtesy Committee on Arrangements, St. Louis Chapter.

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2:00 P. M. Getting Pay Schedules into Budgets for the Public Service Engineer.
2:30 P. M. What Part Shall A. A. E. take in the Presidential Campaign?
2:50 P. M. Americanization and Man-Power Engineering.
3:20 P. M. Making the Chapter a Force in the Community. Getting All Engineers into A. A. E. Publicity for the Chapter. Program—Miscellaneous Activities.
3:50 P. M. The Federal Department of A. A. E. at Washington.
4:10 P. M. Opportunities for the Engineer in Civil, Structural, Mechanical, Mining, and Chemical Fields.
4:50 P. M. Co-ordinating A. A. E. Activities in the State.
5:05 P. M. Reorganization of A. A. E. on a business basis.
8:00 P. M. Group meetings: Draftsmen, Federal, Highway, Industrial and Chemical, Mining, Municipal, Railroad.

**Tuesday, May 11.**

9:00 A. M. Consideration and Voting on Amendments to Constitution and By-Laws; Recommendations by Committee on Constitution.
11:00 A. M. Report of Committee on Resolutions. Discussion and Action on Resolutions. Miscellaneous Business.
12:30 P. M. Adjourn.

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2:00 P. M. Unity of the Engineering Profession in the United States.
3:15 P. M. American Red Cross.
3:30 P. M. Seeing St. Louis, Coutesy Committee on Automobile Trip, St. Louis Chapter.
6:30 P. M. Annual Dinner. A. A. E. Principles. The Year Ahead. Reading by the Authors of Original Poems Dedicated to A. A. E.

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The Kansas State College Chapter of the American Association of Engineers elected the following officers for 1920: Walter E. Dickerson, president; C. H. Scholer, vice-jresident; H. Kenneth Shiedeler, recording secretary; M. W. Furr, corresponding secretary; and Paul G. Martin, treasurer.

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The University of Missouri Chapter of the American Association of Engineers has elected J. W. Moody, president, and W. W. Gorth, secretary. J. W. Sylvester, Grover Goodwin, W. M. Galligan and Professor Guy B. Newton are directors. Dean E. J. McCaustland is faculty representative.

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The Spokane Chapter of the American Association of Engineers was organized on April 3. E. C. Scharf acted as chairman and V. W. Gamble as secretary. About fifty members of the association were present at the meeting.

---

The Denver Chapter of the American Association of Engineers was organized on April 6. A. Lincoln Fellows, senior irrigation engineer of the division of irrigation investigations, office of public roads, was elected temporary chairman, and H. B. Hunt, engineer with the United State Reclamation Service, temporary secretary.

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The American Association of Engineers has granted chapter charters to members in St. Augustine, Florida, and a club charter to members petitioning from McGehee, Arkansas.

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The Dayton Chapter of the American Association of Engineers on April 14 listened to O. N. Floyd of the Miami Conservancy District speak on "Large Earth Dams in the United States."

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The second annual convention of the Pennsylvania Railroad Section of the American Association of Engineers, scheduled for April 17, was postponed by the officials of the section on account of the railroad strike. It was felt that at this critical time the professional engineers employed by the Pennsylvania should remain at work so that they would be available for any emergency duties they might be called upon to perform. A. C. White, the secretary of the section, advises the members of the section have indicated their willingness to perform extra duty during the strike.

---

A. M. Van Auken is now at Nashville, Tennessee; inventorying roadway and track of the Nashville Railway and Light Company preparatory to a rate hearing set for October before the Tennessee Public Utility Commission. Engineers representing the company, the city of Nashville, and the State of Tennessee are working separately upon the valuation, but only one inventory is being made.

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## SAN FRANCISCO CHAPTER.

Fellow Members:

At Wilkins Hall, 2412 Haste street, Berkeley, at 8:30 P. M., Friday evening, May 7th, a dance is to be given by the Fellowship Committee under the auspices of the San Francisco Chapter of the American Association of Engineers. This is the first strictly social affair given by the chapter.

The Fellowship Committee is working hard for the success of this dance and it is desired that every member do his part for the success of the occasion.

There are to be other forms of entertainment for those who desire it. If you never dance just come along anyhow as this is to be very informal. We want it to be just a get together party where we can become acquainted with one another.

We have plenty of nicely printed invitations and if you have several engineer friends, not members, to whom you would like to extend an invitation, just fill in the blank and mail. They will be invited as your guest by the chapter.

Tickets are to be sold for one dollar each which entitles yourself and as many lady friends as you wish to be present.

Several entertainments such as this one are planned by the Fellowship Committee because the engineer usually overlooks his social duties. Other professional men never overlook a social opportunity for the reason that they can meet their fellows as friends and associates rather than as strangers. Don't overlook your Opportunity.

FELLOWSHIP COMMITTEE.

## CALIFORNIA HIGHWAY CONTROVERSY.

The A. A. E. is naturally interested in the Highway situation and we are therefore representing the open letters to the Governor, written by the former secretary of the Highway Commission:

**Letter No. 1.**

Sacramento, Cal., March 23, 1920.

Hon. Wm. D. Stephens, Governor, Sacramento, Cal.

Dear Governor: I am herewith transmitting to you a copy of my resignation as secretary of the California Highway Commission, this day formally delivered.

The causes that have impelled me to take this action continue to operate and urge me to tell you and the public just why I resign.

For a long, long time I have debated with myself what course I ought to pursue, whether I should try to "stick to the job" and from within the organization endeavor to correct what seemed to me the mal-administration of State Highway affairs, or whether the situation challenged me to sever my official connection entirely and from the vantage ground of a free and untrammeled common citizen to uncover conditions as they exist and let the light of day into the dark corners of this highway department.

It is going to be a fight, not to gratify personal grudges or animosities, but solely with the purpose of intelligently informing the taxpaying public of California what is doing with the $80,000,000 of money they have paid and pledged for State roads these last nine years, and to help, if I may, your administration inaugurate those reforms in State reorganization which the Boynton efficiency commission recommended and which are now in your hands.

Dear Governor, after these years of active life in the public service, I have reached this very, very positive conviction, that transparent candor and a fearless exposure of his books and his purposes at all times is the only guarantee that an honest and a competent public official can give the public that he is both honest and competent.

The official who is reluctant to trust the public need not expect by the public to be trusted, and since my story is necessarily a long one and since I am at present pledged to give my best effort to the campaign to make California's "favorite son," that splendid American and peerless patriot-engineer, Herbert Hoover, the Republican candidate for President, I beg you to allow me to address you the balance of this statement in appropriate installments as I find the opportunity to do so.

With great respect and sincerely desiring to promote in all ways the honor and success of your administration, I am, Yours truly,

WILSON R. ELLIS.

**Letter No. 2.**

Honorable William D. Stephens, Governor, Sacramento, Cal.

My Dear Governor: I am addressing you herewith my letter No. 2 somewhat sooner than I planned. These "wounded vanities and imperiled official dignities" to which I referred in my introductory letter to you publicly state that they shall ask you to "compel" me "to make public immediately" all charges I have to make against the California Highway Commission. And gentlemen who refuse to allow their names to be made public are protesting that they are above reproach before I have reproached them; they flee when "no man pursueth."

**"Back Fire" Cited.**

Betraying their perturbations yet more palpably, they start the usual "back fire" of invighing against my motives. Charles D. Blaney, a former member of the Commission, rushes into public print to charge even while the other unnamed and present Commissioners are demanding an investigation, that there is nothing to investigate.

He disposes of the whole matter by explaining that I resigned because of "jealousy"; that my charges (?) are "figments of my imagination"; that I am "peeved" because I think I have been "slighted by the Administration," etc.

I will not deign to refute any of these insinuations. I expected to have to meet just such innuendo when I resigned. So I am neither surprised nor disappointed. In fact, am I not now absolved from allowing any tender-heartedness to handicap me in "telling the truth, the whole truth, and nothing but the truth, so help me God" about what is the matter with this California Highway Commission?

Blaney resolves himself into a mutual admiration society and bars me out. I am blackballed. I don't belong, because I refuse to confess that A. B. Fletcher is the "Greatest engineer in the world"; that he "ranks with Goethals," etc.

Dear Governor, what Blaney thinks of me, and what I think of Fletcher is no concern of yours nor the public's. Neither "guff" on the one hand, nor abuse on the other, shall count a point in this debate If Mr. Blaney deems it necessary to contend that Fletcher is the "greatest engineer in the world," I shall ask him upon cross-examination if he is as certain of the truth of that assertion as he is of the balance of his voluble and voluntary testimony in this case.

And while I wait for Blaney's reply I shall proceed to inform you, dear Governor, and the people who pack the jury box from "Siskiyou to San Diego and from the Sierra to the sea," what are the achievements to the credit of this "greatest engineer in the world," before he arrived at his present station, and what he has done since he began, nearly nine years ago, at a salary of $10,000 a year, to exhibit his surpassing prowess as a highway engineer. I shall follow him step by step from Boston to San Diego, and from San Diego to Sacramento.

Blaney has raised "the Fletcher issue," and it shall be met.

I am prepared, therefore, to advise you Governor, that my ensuing letters will come in the following order:

Letter No. 3—A. B. Fletcher, the politician.

Letter No. 4—A. B. Fletcher, the executive.

Letter No. 5—A. B. Fletcher, the engineer.

Letter No. 6—Millions wasted.

After I have finished Fletcher, I will take up the history of the California Highway Commission, and follow the ruts in which the Commission has been dragging along these long, tormented nine years—follow those ruts till they are lost in the bottomless bogs of floundering indecision and trackless confusion.

**Squandering Charged.**

And following letters will deal with how highway bond funds have been "pork barreled"; how motor vehicle maintenance funds have been squandered; how Federal aid funds have been intolerantly and unceremoniously grabbed to dump them into the hopper with the balance of available moneys to keep up a headlong programme of building 'bum" roads that are falling wherever the stream of traffic puts them to the test.

Then in succeeding letters I shall show that while an automobile may be correctly built on the three-point suspension principle, that it is humanly impossible to organize a three-man commission to manage with efficiency and success the business of so vast a public enterprise as the building of 6,000 miles of State highways that will cost this State, likely, $200,000,000 before they are completed.

**Verse Points Moral.**

Dear Governor, I would remind you that

"Evil is wrought
From the lack of thought
As well as the want of heart."

and that the "mal-administration" of every public trust that is "maladministered" results not so much from criminal intent as from the deadly lethargy of that sort of "officialism" which is short on both the think habit and the heart impulse.

If Blaney and the reporters will permit me, I will wait until after the primaries, May 4, before addressing you letter No. 3. Very respectfully,

(Signed) WILSON R. ELLIS.

## ASPHALT FOUND IN SHASTA COUNTY

The Redding Courier-Free Press in a recent issue published the following:

"One step nearer, and a most important one, to prove the contention of many geologists and oil men that the Sacramento valley holds oil in commercial quantities has just been made by J. O. Jillson and W. H. McEwen, local mining men, in their discovery in southwestern Shasta County of oil seepage in the form of brea, or asphalt. While light oil or paraffine seepages have been known to exist, this recent discovery is said to be the first positive and unmistakable evidence of the presence here of petroleum having for its origin the asphalt base, similar in all respects to that produced in the great fields of the southern end of the state.

"While the mining men have for the past several months been making exact location of this highly important tensive explorations in western Tehama and southern Shasta counties, the find has not been made public."

## DUTCH ENGINEER ON SHANTUNG JOB, IN SAN FRANCISCO.

After passing three years supervising the construction of a breakwater and harbor at Chefoo, Shantung, Jan J. I. Sprenger, a Dutch civil engineer, arrived here Tuesday on the steamer Nanking, en route to Amsterdam. The project represents an expenditure of more than $10,000,000, according to Sprenger, and will be completed before the end of the year. Private capital in Chefoo raised the necessary funds for the project and the contract for the work was given to the Netherlands Harbor Works Company.

# ADVANCE NEWS
## Official Proposals, Etc.

# Building.

## APARTMENT HOUSES.

Plans Being Prepared. To be Done by Days Labor.
ALTERATIONS Cost, $——
SAN FRANCISCO. Fifth Street near Harrison.
Remodel 18 flats into apartments.
Owner and Designer—C. S. Allred, 150 Onondaga Ave., San Francisco.
Construction depends on the approval of plans by the Board of Public Works.

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Plans Prepared.
APARTMENTS Cost, $130,000
LONG BEACH, Los Angeles Co., Cal. Cor. Third Street and Cedar Way.
Five-story brick apartment house.
Owner—Miss Mary Foster et al.
Architect—Frank L. Lindsay Marine Bank Bldg., Long Beach.

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Plans Being Figured.
APARTMENTS Cost, $——
SAN FRANCISCO. Richmond District (Corner Lot).
Three-story frame and plaster apartments (5 5-room apts.)
Owner—Withheld.
Architect—Alfred I. Coffey, Humboldt Bank Bldg., San Francisco.
Plans Being Figured.
ALTERATIONS Cost, $8,000
OAKLAND, Alameda Co., Cal. 14th St. near Market.
Alter two-story frame building into 2 4-room apartment flats.
Owner—Name Withheld.
Architects—Chester Miller and Carl Warnecke, Call Bldg., San Francisco, and Perry Bldg., Oakland.

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Plans Being Figured.
APARTMENTS Cost, $16,700
OAKLAND, Alameda Co., Cal. Fourteenth St. near Market.
Two-story frame and plaster apartments (8 2-room apts.)
Owner—Withheld.
Architects—Chester Miller and Carl Warnecke, Call Bldg., San Francisco, and Perry Bldg., Oakland.

## BANKS.

PATTERSON, Stanislaus Co., Cal.—The State Superintendent of Banks has authorized the formation of an organization to erect and maintain a bank building in Patterson. Organizers of the new institution include W. W. Cox, Frank Cox, J. H. Evans, Frank McConnell, Wilbur Zacharias, H. V. Bridgford and B. H. Nelson. The capital stock is fixed at $50,000.

The company plans the erection of a modern bank building in Patterson the exact location for which has not yet been determined.

Contract Awarded.
BANK BLDG. Cost, $57,000
ECHO, Oregon.
Brick and terra cotta bank building.
Owner—Bank of Echo.
Architect—Raymond Hatch, Pendleton.
Contractor—Parker & Banfield, Pendleton, Oregon.

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RICHMOND, Contra Costa Co., Cal.—The Richmond Savings Bank has purchased the property at the corner of Ninth street and Macdonald avenue, Richmond, and will erect a bank building some time in the future. No plans have been made.

## BONDS.

PLACERVILLE, El Dorado Co., Cal.—The City Trustees have completed preliminary arrangements for a bond election arrangements for a bond election to secure $20,000 with which to purchase the privately owned water distributing system.

Should the bonds carry it is planned to spend several thousand dollars in improvements.

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SAN JOSE, Santa Clara Co., Cal.—No bids were received by the County Supervisors for the purchase of the $700,000 bond issue of the San Jose School District; $300,000 for grammar schools and $400,000 for high school improvements.

The time for opening bids has been extended to May 3rd. Henry A. Pfister is County Clerk.

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ST. JOHNS, Ariz.—An election will be held May 5 in Apache County to vote on issuing $175,000 bonds for road improvements.

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BREA, Orange Co., Cal.—Olmsted & Gillelen, consulting engineers, Hollingsworth Bldg., Los Angeles, have submitted an estimate of the cost of the proposed city water system placing it at approximately $75,000. A bond election will be called.

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VISALIA, Tulare Co., Cal.—At the election held on April 16th to vote on bonds of $112,000 for improvements at the high school, the proposal carried by a vote of 4 to 1. The money will be used to erect a building for a gymnasium and another for the manual training department.

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RENO, Nevada—Bids will be received by County Clerk E. H. Beemer up to May 5th for the purchase of $300,000 in Washoe County Road and Improvement Construction Bonds, series of 1920.

TURLOCK, Stanislaus Co., Cal.—A direct tax for $20,000 to provide funds to finance construction of additions to the two new grammar school buildings, now under construction, was voted at a recent election.

MINDEN, Nevada—The Douglas County Commissioners have authorized the sale of bonds in the amount of $7,606 for construction of a concrete road between Minden and Gardnerville. The road will extend from the Minden Court House to Gardnerville.

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SONOMA, Sonoma Co., Cal.—The proposed $57,000 bond election for street paving and sewer work set for April 26th has been postponed by the City Council, owing to errors in the proceedings. A date for the new election will be set shortly. Vida McL. Doggett is City Clerk and L. L. Mills, City Engineer.

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NEWMAN, Stanislaus Co., Cal.—The School Trustees are contemplating the call of an election to vote bonds with which to finance the construction of a new grammar school building.

Guy Merwin is a member of the School Board.

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SAN JUSTO, San Benito Co., Cal.—Up to May 3rd, 2 P. M., bids will be received by the County Supervisors, Elmer Dowdy, Clerk, for the purchase of the $22,000 bond issue of the San Justo School District, proceeds of the sale to finance construction of a new school building, plans for which are being completed by Architect W. H. Weeks., 75 Post street, San Francisco. Building will be one-story in height with a brick veneer exterior and will contain two classrooms and auditorium.

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SAN LEANDRO, Alameda Co., Cal.—At a recent bond election six out of seven propositions failed to carry. The proposition to issue $11,000 in bonds to finance the purchase of a fire truck carried by a slight majority, while the storm sewer, fire alarm system, city hall site, road roller purchase, sewer machine and $30,000 street improvement propositions were defeated.

J. J. Gill is City Clerk.

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NAPA, Napa Co., Cal.—Bids will be received until May 5, 1920, by Jas. A. Daly, County Clerk, for the purchase of the Calistoga Joint Union High School District bonds of $66,000.

(66 bonds of the denomination of $1000 each, payable from one to thirty-three years, with interest at 5 per cent payable semi?annually).

Norman R. Coulter, 46 Kearnk St., San Francisco, is the architect for the new school.

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FRESNO, Cal.—A bond election will be held on May 11, 1920, by the Washington Union High School District to vote bonds to the amount of $170,000. Said bonds to be used for the purpose of raising money for purchasing high school lots, for building or purchasing one or more high school buildings, for making alterations and additions to any high school building or buildings, for insuring high school buildings, for supplying high school buildings with furniture and necessary apparatus, for improving high school grounds.

ORLAND, Glenn Co., Cal.—The $60,000 bond issue to secure funds with which to finance construction of an extension to the present water system failed to carry. The vote was 76 in favor and 70 against. A two-thirds majority was required.

R. W. Camper is City Clerk.

SAN JOSE, Santa Clara Co., Cal.—The Cambrian School District voted in favor of the issuance of $10,000 worth of bonds for the purpose of erecting additions to the present school building. Only one dissenting vote was cast.

DINUBA, Tulare Co., Cal.—At the recent election this city voted $63,000 in bonds to enlarge the grammar schools. The bonds were carried by a large majority.

ATWATER, Merced Co., Cal.—At a recent district school meeting a large majority of the votes cast favored purchasing additional acreage adjoining the present public school site. The next step will be to vote about $20,000 bonds for the purpose of building a new school house.

STOCKTON, San Joaquin Co., Cal.—The Supervisors have accepted the bid of the Stockton Clearing House Association for the purchase of the $240,000 Stockton Grammar School Bonds and $60,000 worth of High School Bonds

ALTURAS, Modoc Co., Cal.—Bonds of $80,000 were voted at a recent election in the Crook Canyon Irrigation District to finance the construction of a dam and a number of ditches and laterals for irrigation purposes.

Early construction is assured as several bonding firms have already declared their intention of bidding for the bonds.

PRESCOTT, Ariz.—An election will be held May 8 in Yavapai County to vote on issuing $1,500,000 bonds for construction of improved highways.

SANTA MONICA, Los Angeles Co., Cal.—The City Council is calling for bids for the purchase of $75,000 bonds to finance construction of new fire mains in the Ocean Park section.

RICHVALE, Butte Co., Cal.—The Board of Directors of Drainage District Number 100, Richvale, will receive bids until May 8, 1920 for the purchase of bonds to the amount of $10,000.

J. G. Rystrom is President and Clay B. Harris, Secretary.

FRESNO, Fresno Co., Cal.—The Fresno County Supervisors have sold the last block of Fresno city school bonds in the sum of $920,000. Proceeds of the sale will finance construction of school improvements, contracts for a portion of which have already been let.

J. R. Fontaine is Secretary of the Fresno Board of Education.

SALINAS, Monterey Co., Cal.—The bond election for $150,000, in addition to those already voted to finance construction of the $250,000 high school building, carried at a recent election.

The contract for the structure has been let to McLeran & Peterson, Hearst Building, San Francisco, from plans by Architect Ralph Wyckoff of Salinas

MARICOPA, Kern Co., Cal.—Bonds of $35,000 have been voted in the Maricopa High School District to finance construction of a new gymnasium and auditorium building.

SANGER, Fresno Co., Cal.—At the election on April 16th bonds in the sum of $42,000 for a new school were voted unanimously. There were no votes cast against the bonds.

MADERA, Cal.—An election will be held on May 1, 1920, by the Dixieland School District to vote bonds to the amount of $18,900 for the purpose of building one or more schools.

## CHURCHES.

Plans to be Prepared.
CHURCH Cost, $15,000
TURLOCK, Stanislaus Co., Cal.
Church building.
Owner—Swedish Evangelical Mission Association, Represented by J. B. Hjelm, Attorney, Turlock, Cal.
Architect—Not Yet Selected.
NOTE:—The Superior Court has granted permission to mortgage the church property for $15,000, which will be used to construct the new structure.

Plans Being Prepared.
CHURCH Cost, $100,000
FRESNO, Fresno Co., Cal.
Brick and hollow tile church, 100x125, (800 seats).
Owner—Fresno Methodist Episcopal Church.
Architect—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.

Plans Being Prepared.
CHURCH Cost, $——
PORTLAND, Ore. E-Seventeenth and Weidler Streets.
One-story brick church, 28x115.
Owner—Grace Memorial Church.
Architect—Lawrence & Holford, Chamber of Commerce Bldg., Portland.

Plans Being Prepared.
CHURCH. Cost, $60,000
BISBEE, Arizona.
Brick or hollow tile church.
Owner—First Methodist Church of Bisbee.
Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

To be Done by Day's Work.
CHURCH Cost, $——
EAST BAKERSFIELD, Kern Co., Cal.
Two-story and basement brick church.
Owner—The Chesboro Memorial Methodist Church.
Architect—Arthur G. Lindley, 904 Wright & Callender Bldg., Los Angeles.

HANFORD, Kings Co., Cal.—Preparations are being made to raise funds with which to finance construction of a new church building for St. Bridget's Catholic Church of which Rev. A. I. Eling is pastor.

A building committee to work out a financial campaign is being organized.

## FACTORIES & WAREHOUSES.

Plans Being Prepared.
WAREHOUSE Cost, $25,000
OAKLAND, Alameda Co., Cal. Near E-12th Street.
Two-story brick building, 40x120, (heavy warehouse construction).
Owner—Withheld.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
NOTE:—When plans are complete figures will be taken for a general contract.

Plans Being Prepared.
GARAGE Cost, $——
PORTLAND, Ore. North Ninth Street, Bet. Flanders and Glisan Sts.
One-story brick and tile garage, 50x100
Owner—F. E. Taylor.
Architect—Lawrence & Holford, Chamber of Commerce Bldg., Portland.

Completing Plans. Figures to be Taken in About Two Weeks.
PARCEL DELIVERY BLDG. Cost, $25,000.
SAN FRANCISCO. S Eddy 126-6 W Polk Street.
One-story and basement concrete parcel delivery building.
Owner—Humphrey Estate, Inc.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

Construction Started by Day's Labor.
FARM BUILDINGS Cost, $——
SAN SIMEON, San Luis Obispo Co., Cal.
Concrete and hollow tile farm buildings.
Owner—Wm. R. Hearst.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Superintendent—H. E. Washburn, San Simeon, Cal.
The following contracts have been awarded:
**Cement** to Old Mission Cement Co., San Francisco.
**Reinforcing steel** to Edw. L. Soule, San Francisco.
**Tile** to Cannon Co. of Sacramento.
Lumber to Van Arsdale-Harris Lumber Co., San Francisco.
**Brick Work** to United Materials Co.

Contract Awarded.
ENGINE HOUSES Cost, $110,000 apCALIFORNIA. Indio, Riverside Co. & Mojave, Kern Co., Cal.
Two one-story reinforced concrete engine house, 80x206 feet and 80x230 feet.
Owner—Southern Pacific Company.
Architect—Eng. Dept. of Owner. (J. H. Christie in charge), S. P. Bldg., San Francisco.
Contractor—The Standard Construction Co., Call Bldg., San Francisco.

LODI, San Joaquin Co., Cal.—Nine acres in the new Lawrence Tract, adjacent to the Southern Pacific Railroad, have been purchased by the National Fruit Products Company, newly formed, incorporated for $100,000 and composed of twenty-five of the most prominent grape growers and citizens of this district. It is the purpose of this company to erect a factory here to manufacture grape products such as the market may demand from time to time.

The officers elected for this corporation are James T. Langford, President; Burton Towne, Vice President; A. O. Eddleman, Secretary and Treasurer; W. H. Dement and Norman Swim complete the Board of Directors.

Lee Jones, former Manager of the George West & Son interests in Lodi, has been selected as Manager and plans to have the plant ready for the 1920 crop.

ANTIOCH, Contra Costa Co., Cal.—The Antioch Chamber of Commerce has appointed a committee to confer with officials of the Santa Fe regarding the construction of a new depot in this city.

The present structure, it is intimated, is far from satisfactory.

CHULA VISTA, San Diego Co., Cal.—The International Oil & Transport Co. has taken over the potash plant of the Hercules Powder Co. at Chula Vista and will establish a petroleum and vegetable oil refinery, soap factory, soda ash plant and later on a beet sugar factory. About $500,000 will be expended on additional machinery and equipment for the oil refinery. A pipe line 40 miles long will be built from the Whittier oil fields to a point near Long Beach, where an oil loading rack will be located, two barges being used to transport oil from that point to Chula Vista. Eventually pipe lines will be run from the Whittier and Ventura oil fields to Chula Vista. A. M. White is president of the International Oil & Transport Co., which is capitalized at $35,000,000 and has offices in New York. El Paso and Los Angeles.

Plans Being Prepared. Contract Awarded.
ADDITION Cost, $500,000
SAN FRANCISCO. Sixth and Townsend Streets.
Four-story reinforced concrete addition, 137x275, to present plant.
Owner—Holbrook Merrill & Stetson.
Architect—Geo. Wm. Kelham, Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

Contracts Awarded.
BUILDING Cost, $175,000
LOS ANGELES, Cal. Second and Hewitt Streets.
Three-story reinforced concrete building.
Owner—Coast Building & Investment Company.
Engineer—E. T. Flaherty, 434 I. W. Hellman Bldg., Los Angeles.
**Concrete Work and Excavation** awarded to Leonard & Peck, 721 I. W. Hellman Bldg., Los Angeles, for approximately $100,000.
**Steel Sash** to Truscon Steel Co.

REEDLEY, Fresno Co., Cal.—The Earl Fruit Co., Reedley, has selected a site north of the Southern Pacific Railway section house and will at once commence the erection of a modern fruit packing plant to be completed the early part of July.

W. J. Carlins is the Reedley representative for the Earl Fruit Company.

OAKLAND, Cal.—Articles of incorporation of the Standard Forge Company with a capital stock of $1,000,000 have been filed with the County Clerk. The business of the concern is to be located in Oakland. The directors are: V. C. Ray, Oakland; E. I. de Laveaga, San Francisco; Clarence L. Johnston, Oakland; E. G. Page, Oakland; Walter W. Johnson, Berkeley; A. W. Shepherd, Berkeley and Walter D. Cole, Oakland.

Contract Awarded.
COLD STORAGE PLANT
Cost, $4,985.66
SANTA ROSA, Sonoma Co., Cal. County Farm Grounds.
Cold storage plant.
Owner—County of Sonoma. W. N. Felt Jr., County Clerk.
Architect—County Engineer of Sonoma County.
Contractor—Ketterlin Bros., 413 4th St., Santa Rosa.

## FIREHOUSES AND JAILS.

Figures to Be Called for About May 4.
JAIL BLDG. Cost, $30,000
VALLEJO. Marin and Capitol Sts.
Two-story reinforced concrete jail building.
Owner—City of Vallejo.
Architect—Chas. E. Perry, Jr., 1209 Sutter St., Vallejo.

Figures will be taken for a general contract about May 4th, and will be opened about June 1st. The exact closing date has not been set.

Plans Being Prepared.
REMODEL. Cost, $——
BENICIA, Solano Co., Cal.
Remodel City Jail (interior alterations, new plumbing, etc.)
Owner—City of Benicia.
Architect—E. S. Lemme, Benicia Arsenal, Cal.

FRESNO, Fresno Co., Cal.—From plans prepared by Architects Swartz & Ryland, Rowell Bldg., Fresno, the bid of Paulsen & Stange of Fresno, the only one received by the City Council for the construction of the bungalow type firehouse in G street, will be rejected.

It was estimated the structure would cost $15,000, while the bid submitted was $22,270.

Chas. Dillon is City Clerk.

## FLATS.

Plans Being Figured.
FRAME FLATS Cost, $——
SAN FRANCISCO. Jordan Avenue near Euclid Avenue.
Two-story frame flats.
Owner—N. W. and A. L. Friedman.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Being Figured.
FLATS Cost, $——
SAN FRANCISCO. Commonwealth Ave. near Geary Street.
Two-story and basement frame and plaster flats (2 7-room flats).
Owner—M. H. Levy
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

## GARAGES.

Contract Awarded.
REPAIR SHOP Cost, $7,500
SAN FRANCISCO. S Ellis Street 192-6 W Larkin Street.
One-story brick auto repair shop.
Owner—Oliver Flahavan, 2290 Vallejo St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Martin Show, 1901 California St., San Francisco.

Plans Being Prepared.
GARAGE Cost, $17,000
FRESNO, Fresno Co., Cal.
One-story brick garage.
Owner—R. Emerzian, Fresno.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Plans Being Prepared.
STATION Cost, $——
COLMA, San Mateo Co., Cal. Mission and School Streets.
Service station.
Owner—The Standard Oil Co., Standard Oil Bldg., San Francisco.
Architect—Owners.

Plans Being Prepared.
GARAGE Cost, $25,000
VALE, Oregon.
One-story concrete garage, 100x100.
Owner—Harvey & Ricker, Vale, Ore.
Architect—W. W. Lucius, Lewis Bldg., Portland, Ore.

GARAGE Cost, $14,000
SAN FRANCISCO. Lombard Street near Van Ness Avenue.
One-story concrete and frame garage.
Owner—Withheld.
Architect—C. Fantoni, 550 Montgomery St., San Francisco.

NOTE: The original plans called for a garage and two flats.

Contract Awarded.
GARAGE Cost, Approximately, $37,000
SAN FRANCISCO. NE Sixteenth and Albion Avenue.
Two-story reinforced concrete garage.
Owner—Rudolph J. Taussig.
Architect—J. L. Stewart, 1214 Claus Spreckels Bldg., San Francisco.
Contractor—Mission Concrete Co.

## GOVERNMENT WORK AND SUPPLIES.

CARSON CITY, Nevada—J. A. McDermott of Reno, has been awarded the contract for installing a new water system in the U. S. Mint, his bid being the lowest of three submitted.

MARE ISLAND, Cal.—No bids were received by Public Works Officer at Mare Island on April 21st for making an addition of approximately 30 feet 6 inches in width and 22 feet 8 inches in length, two stories high to the two-story quarters with a porch and portecochere and approach driveway, for the Marine Officers' Quarters No. 1, Mare Island Navy Yard under specification No. 4134.

WASHINGTON, D. C.—The following late bid was received at the bureau of yards and docks, Navy Department, Washington, D. C., under specification 4097 for installing kitchen equipment at U. S. Marine Corps base, San Diego, Calif., bids opened April 7:

S. B. Sexton Stove Manufacturing Co., 500 Block W. Conway St., Baltimore, Md., item 1, $51,529.02, 175 days; (2) $38,989.02, 163 days; (3) $51,439.02, 175 days; (4) $47,989.02, 175 days; (5) $48,150.52, 175 days.

This company was awarded the contract at $33,949, time for completion, 175 days.

SEATTLE, Wash.—Up to May 6th, 10 A. M., bids will be received by the Alaskan Engineering Commission, Bell Street Terminal, for furnishing and delivering under Circular No. 420: Iron and steel, miscellaneous building hardware, asbestos mill board, and cooking utensils.

WASHINGTON, D. C.—Following is a list of prospective bidders for the construction of a garage, store house and quarters, at Keyport, Washington, under Specification No. 4048, estimated cost $88,000, bids for which will be opened April 28th:

Crane Co., Washington, D. C.

Mansfield & Savage, 135 William St., New York City.

Hyde & Baxter, 711 13th St., Washington, D. C.

For furnishing and installing laundry, bakery and refrigerating equipment at San Diego, under Specification No. 4114, estimated cost, $55,000, bids to be opened April 28th, the following are prospective bidders.

National Marking Machine Co., 1052 Gilbert Ave., Cincinnati, Ohio.

Triumph Ice Machine Co., Cincinnati, Ohio.

American Clay Machinery Co., Bucyrus, Ohio.

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WASHINGTON, D. C.—As previously stated, the contract for the construction of the U. S. Post Office and Custom House at Honolulu, Hawaii, was awarded to the Hawaiian Contracting Co., Ltd., 251 Kearny street, San Francisco, Calif.

The supervising architect, Treasury Department, has approved the following material for use in this work:

Cabinet and tablet, Butte Engineering & Electric Co.; rubber covered wire, General Electric Co.; flush switches, General Electric Co.; trough reflectors, Butte Engineering & Electric Co.; receptacles, General Electric Co.; lead covered cable, Standard Underground Cable Co.

## HALLS & SOCIETY BUILDINGS

Contract Awarded on a Percentage Basis.
LODGE BLDG. Cost, $300,000
STOCKTON, San Joaquin Co., Cal.
Reinforced concrete lodge building.
Owner—Masonic Temple Association.
Architect—Carl Werner, Humboldt Bk. Bldg., San Francisco.
Contractor—Macdonald & Kahn, Rialto Bldg., San Francisco.

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Bids are invited for the construction of a Lodge Building for Fernley Lodge, No. 47, I. O. O. F., at Fernley, Nevada. Each bid to be accompanied by a certified check equal to five per cent of the bid.

Plans and specifications may be obtained at the office of Stanley C. Flawn, Architect, 17 Fordonia Building, Reno, Nevada.

Bids will be opened at Fernley, Nev., on May 1st, 1920.

The right is reserved to reject any or all bids.

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PASADENA, Los Angeles Co., Cal.—H. E. Tabor, 270 Oak Knoll Ave., Pasadena has a contract on a percentage basis for the erection of a group of frame buildings at San Rafael Heights for the Pasadana Military Academy, Mrs. J. H. Henry, proprietor, 1199 Oak Knoll Ave. The buildings will include a two-story dormitory; two-story servants' quarters; one-story garage, and a two-story gymnasium with concrete swimming pool in the first story. The cost is estimated at $60,000. C. R. Spink, 6751 Hollywood Blvd., is the architect.

Plans Being Prepared.
ORPHANAGE Cost, $150,000
SAN JOSE, Santa Clara Co., Cal.
Two-story and basement reinforced concrete orphanage.
Owner—Odd Fellows Lodge.
Architects—Davis, Heller & Pierce, Belding Bldg., Stockton.
NOTE:—Construction will be started about May 15th.

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Plans Being Prepared.
CLUB HOUSE Cost, $35,000
BAKERSFIELD, Kern Co., Cal. 18th and D Streets.
Two-story brick club house.
Owner—Bakersfield Woman's Club.
Architects—Michael & Hurlbut, 1611 G St., Bakersfield.

## HOSPITALS.

Plans Being Figured.
HOSPITAL BLDG. Cost, $36,000
ALAMEDA, Cal. Webster Street.
One-story brick and concrete emergency hospital and service building
Owner—Union Iron Works Co., 2305 Webster St., Alameda.
Architect—J. R. Miller, Lick Bldg., San Francisco.
NOTE:—Figures are being taken for a general contract.

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Commissioned to Prepare Plans.
HOSPITAL Cost, $700,000 to $800,000
SAN FRANCISCO. Mission Road.
Class "A" hospital and home buildings.
Owner—Hebrew Hospital & Home for Aged and Disabled.
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.
NOTE:—Mr. Hyman has been instructed to proceed with the plans for the first unit costing $400,000.

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WHITTIER, Los Angeles Co., Cal.—Simon J. Murphy of Pasadena, has offered to erect a hospital building for the City of Whittier. Architects Allison & Allison, Hibernian Bldg., Los Angeles, prepared plans and bids were taken some time ago for a hospital building for this city but the cost was in excess of the amount which was to have been donated by Mr. Milhous. The hospital to be erected by Mr. Murphy will be a large structure and the original plans will be revised and new bids taken. The building will be of brick and hollow tile construction and will cost about $100,000.

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Bids Under Advisement.
HOSPITAL Cost, $60,000
ELKO, Nevada.
Two-story brick Class "C" hospital.
Owner—Elko County.
Architect—F. J. De Longchamps, Gazette Bldg., Reno, Nevada.
Two bids were received as follows:
Rockwell & Sutton .....$118,000
A. L. McGinty ..... 132,000

## HOTELS.

Sketches Being Prepared.
HOTEL Cost, $250,000
EUREKA, Humboldt Co., Cal. Fourth and E Streets.
Six-story reinforced concrete and brick hotel.
Owner—Eureka Hotel Co., Cpln.
Lessee—Travelers Hotel Co., Sacramento.
Architect—Geo. C. Sellon, 1005 8th St., Sacramento.

Figures to be Taken Next Week.
ADDITION Cost, $30,000
SAN FRANCISCO. No. 747 Grant Ave.
Add one story to present building and alter for club and lodging house.
Owner—See To Tuck Yow and Sam Hee, 667 Jackson St., San Francisco.
Architect—J. Eugene Freeman, Kohl Bldg., San Francisco.
Figures will be taken for a general contract.

## LIBRARIES.

VALLEJO, Solano Co., Cal.—Owing to lack of funds the City Council has decided to postpone the proposed improvements to the interior of the Public Library.

The Council plans to provide funds in the next budget to finance the work.

Alf E. Edgcumbe is City Clerk.

## POWER PLANTS.

Contract Awarded.
POWER HOUSE Cost, $3,300
LIVERMORE, Alameda Co., Cal. Arroyo Sanitarium near Livermore.
One-story frame and stucco power house.
Owner—Alameda County.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor—C. A. Bruce.
NOTE—Mr. Bruce submitted the only bid.

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SAN FRANCISCO.—The Pacific Gas & Electric Co., 445 Sutter Street, has announced plans to spend $15,000,000 for additions and betterments to its gas and electric systems in the next two years and filed with the Railroad Commission application for authority to issue $10,000,000 of temporary certificates for that purpose.

## RESIDENCES.

Plans Being Prepared. To be Done by Days Work.
RESIDENCES Cost, $5,000 each
SAN FRANCISCO. Arguello Blvd. near Cabrillo Street.
Three two-story frame and plaster residences (6 rooms each).
Owner—E. A. Janssen, 802 Hearst Bldg., San Francisco.
Architects—Fabre & Thayer, 110 Sutter St., San Francisco.

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Plans Being Figured.
RESIDENCE Cost, $8,000
PIEDMONT, Alameda Co., Cal.
Two-story frame residence (6 rooms).
Owner—Harold Haven.
Architect—John H. Thomas, 1st National Bank Bldg., Berkeley.
NOTE:—Figures are being taken for a general contract.

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Contracts Awarded.
RESIDENCE Cost, $14,274
SAN FRANCISCO. Filbert Street Bet. Divisadero and Broderick Streets.
Three-story and basement frame and plaster residence (9 rooms).
Owner—Geo. Habenicht.
Architect—Earle B. Bertz, Foxcroft Bldg., San Francisco.
Contractor—Wm. Martin, 110 Jessie St., San Francisco.
Plumbing awarded to J. J. McLeod, 1246 Golden Gate Ave., for $1,660

Plans Being Prepared.
RESIDENCES Cost, $3,200 to $14,000 each.
MARYSVILLE, Yuba Co., Cal.
Ten frame residences.
Owner—Kelly Bros., Marysville.
Architect—Not Given.
Kelly Bros. have a number of dwellings now under construction.

Plans Being Prepared.
RESIDENCE Cost, $——
SAN FRANCISCO. Location Not Given
Two-story frame and plaster residence (10 rooms).
Owner—Withheld.
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.

Plans Complete. Sub-Figures to be Taken.
DWELLING Cost, $9,000
SAN FRANCISCO. S Sotelo 100 W Sepoz Street.
Two-story and basement frame dwelling.
Owner—H. C. Lewis, 68 Post St., San Francisco.
Architect—Kenneth MacDonald Jr., 234 Pine St., San Francisco.
NOTE:—Mr. Lewis is a general contractor.

SAN FRANCISCO.—The King River Parks Company, 685 Market St., San Francisco, will make some improvements at the proposed Roosevelt National Forest, which takes in the Sequoia National and Giant Forests in Tulare and Fresno Counties. There will be extensions made to the present camping grounds this summer. Next Fall, after the vacation period, it is the intention of the company to erect a hotel, small camping cottages, etc.

Mr. Worth Ryder, of the National Forest Bureau, who for years was the director of the Oakland Art Gallery and who had much experience in mountain touring, both in this country and Europe, will have the management of the Park.

## SCHOOLS.

Plans Being Prepared.
SCHOOL Cost, $85,000
FULLERTON, Orange Co., Cal.
Owner—Fullerton School District.
Architect—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.
NOTE:—Bonds have been voted.

Plans Being Figured. Bids Close May 1, 1920, 2:30 P. M.
SCHOOL Cost, $12,500
MANTECA, San Joaquin Co., Cal. Rustic School District.
Grammar School.
Owner—Rustic School District.
Architect—R. P. Morrell, I. O. O. F., Bldg., Stockton.
Plans may be obtained at the office of James L. Hansen, Bank of South San Joaquin Building, Manteca, Cal.

Figures to be Called in About a Month.
ANNEX TO SCHOOL Cost, $——
SAN FRANCISCO. Eddy St. bet. Polk Street and Van Ness Avenue.
Two-story Class "B" annex to Adams School (6 class rooms).
Owner—City and County of San Francisco
Architect—Morris M. Bruce, Flood Bldg. San Francisco.

Figures to be Called Next Month.
SCHOOL Cost, $——
SAN FRANCISCO. Nineteenth Avenue and Irving St. (Jefferson School).
Two-story frame and brick school.
Owner—City and County of San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.

Figures to be Called For on May 5th.
ALTERATIONS Cost, $30,000
SAN FRANCISCO. Excelsior St., Bet. Lisbon and Paris Streets.
Alterations to school (fireproof stairways, etc.)
Owner—City and County of San Francisco.
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.

Plans Being Prepared.
SCHOOL Cost, $23,000
MADERA, Madera Co., Cal. Dixieland School District.
One-story frame and stucco school (2 rooms and an auditorium).
Owner—Dixieland School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Plans Being Figured. Bids Close May 6th, 2:30 P. M.
SCHOOL Cost, $——
TEMPLETON, San Luis Obispo Co., Cal.
One-story frame and stucco grammar school.
Owner—Templeton School District. M. F. Gates, Clerk, Templeton, Cal.
Architect—Not Stated.
Plans may be obtained from the Clerk on a deposit of $3.00.
Bids will be taken for a general contract.

Plans Being Prepared.
SCHOOL Cost, $24,000
CALWA, Fresno Co., Cal.
One-story brick school (2 rooms and an auditorium).
Owner—Calwa School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Commissioned to Prepare Plans.
HIGH SCHOOL. Cost, $250,000
PIEDMONT, Alameda Co., Cal.
Fireproof High School building.
Owner—Piedmont High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
NOTE: Bonds have been voted.

FOWLER, Fresno Co., Cal.—The following sub-contracts have been awarded by the Fowler School District in connection with the construction of the new hollow tile high school buildings from plans prepared by Architects Allison & Allison, Hibernian Bldg., Los Angeles:

**Sheet Metal Work** to Ahl & McLaughlin, Sacramento, at $1,485.
**Tile Roofing** to Fibrestone & Roofing Co., San Francisco, at $4,308.
**Painting** to C. M. Johnson, Kingsburg at $4,550.
**Electric Work** to American Electric Construction Co., Los Angeles at $6,824.22.
**Plumbing** to Carl T. Doell, Oakland at $6,682.
**Heating** to Thomas Kennedy, Martinez at $7,315.

E. E. Etherton, Monadnock Bldg. San Francisco, has the general contract at $108,608.

SAUSALITO, Marin Co., Cal.—The Trustees of Tamalpais High School call for bids for certian lumber needed by the school. Lists may be obtained from E. E. Wood at the school. Bids will be opened at 8 P. M., May 3, 1920. Bids received by F. D. Linsley, Bank of Sausalito.

SEATTLE, Wash.—Jenkins & Jones, Hinckley Bldg., Seattle, submitted the low bid to the Seattle School Board for the construction of the new Highland Park School Building, and will probably be awarded the contract. The bid was $169,756. Other bids submitted ranged as high as $212,000.

Plans Being Figured. Bids Close May 17, 7 P. M.
SCHOOL Cost, $20,000
SALIDA, Stanislaus Co., Cal.
Grammar school.
Owner—Salida Grammar School District (Chas. Craig, Clerk).
Architects—Davis - Heller-Pearce Co., Belding Bldg., Stockton.
Figures are being taken on the following segregations: General contract, Heating, Plumbing, Electric work.

Bids Opened.
STEAM HEATING PLANT Cost, $——
CLOVIS, Fresno Co., Cal.
For installation and completion of a steam heating plant in a two-story concrete high school.
Owner—Clovis Union High School District. J. A. Riggs, Clerk, Clovis.
Architect—W. H. Weeks, 75 Post St., San Francisco.
The following bids were received by the Board on April 18th and have been taken under advisement:
Robert Dalziel Jr., San Francisco (1) $9,287; (2) $17,397.
Vermere & Co., Sacramento (1) $9,957 (2) $16,557.

Plans Being Prepared.
HIGH SCHOOL. Cost, $45,000
DENAIR, Stanaislaus Co., Cal.
One-story brick and concrete high school.
Owner—Denair High School District.
Architect—Davis, Heller & Pearce, Belding Bldg., Stockton.

Plans Being Re-Figured and Contracts Awarded. New Bids Close April 27, 1920, 8 P. M.
SCHOOL Cost, $90,000
HUGHSON, Stanislaus Co., Cal.
Two-story brick high school.
Owner—Hughson High School District.
Architects—Davis, Heller & Pearce. Belding Bldg., Stockton.
New bids are being taken for the concrete work, brick work, plastering and electrical work.
The following contracts have been awarded:
**Carpentry Work** to Jos. Chirhart, 635 W-Park St., Stockton, $29,850.
**Heating** to Thos. Kennedy of Martinez at $5,230.
**Plumbing** to Miller-Hayes Co., of Stockton.
**Painting** to Keith Bros. of Ceres, for $5,425.
**Roofing** to Johns-Manville Co. of San Francisco, $1,545.35.

Plans Being Prepared.
SCHOOL Cost, $10,000
MONTPELLIER, Stanislaus Co., Cal.
One-story 1-room school.
Owner—Montpellier School District.
Architects—Davis, Heller & Pierce, Belding Bldg., Stockton.

Plans Being Prepared.
ADDITION Cost, $——
STOCKTON, San Joaquin Co., Cal.
Addition to high school.
Owner—City of Stockton.
Architect—Louis S. Stone, 1144 N-San Joaquin St., Stockton, Cal.
NOTE:—Construction will be financed through the recent bond issue. All work will be under the supervision of Architects Davis-Heller-Pearce Co., Stockton, Cal.

Commissioned to Prepare Plans.
SCHOOL Cost, $——
STOCKTON, San Joaquin Co., Cal.
El Dorado School Building.
Owner—City of Stockton.
Architect—Frank Mayo, Stockton, Cal.
NOTE:—Construction will be financed through the recent bond issue. All work will be under the supervision of Architects Davis-Heller-Pearce Co., Stockton, Cal.

Low Bidders.
GYMNASIUM Cost, $61,330
LOS ANGELES, Cal. Jefferson High School.
Two-story brick gymnasium, 125x100.
Owner—City of Los Angeles.
Architects—Norman F. Marsh and Herbert C. Howard, Broadway Central Bldg., Los Angeles.
**General Contract**—B. D. Kronnick, 312 W-39th St., Los Angeles, $61,330.
**Plumbing**—W. W. Brooks, $8,000.
**Painting**—H. T. Miles & Son, $4,924.
**Electric Work**—American Electric Contracting Co., $2,250.

Commissioned to Prepare Plans.
SCHOOL Cost, $——
STOCKTON, San Joaquin Co., Cal.
Fair Oaks School Building.
Owner—City of Stockton.
Architect—W. J. Wright, Bank of Italy Bldg., Stockton, Cal.
NOTE:—Construction will be financed through the recent bond issue. All work will be under the supervision of Architects Davis-Heller-Pearce Co., Stockton, Cal.

Commissioned to Prepare Plans.
SCHOOL Cost, $——
STOCKTON, San Joaquin Co., Cal.
Jefferson School Building.
Owner—City of Stockton.
Architect—Peter Sala, Stockton, Cal.
NOTE:—Construction will be financed through the recent bond issue. All work will be under the supervision of Architects Davis-Heller-Pearce Co., Stockton, Cal.

Contracts Awarded.
SCHOOL Cost, $117,958
CASA GRANDE, Arizona.
Three-story Class "C" high school.
Owner—Casa Grande School District.
Architects—Lyman & Place, Tucson, Arizona.
Contractor—Jay J. Garfield, Miami, Ariz.
W. J. Corbett Hardware Co. of Tucson, was awarded the contract at $14,361 for the plumbing and heating and A. Keith of Casa Grande, the contract for the electrical work at $2,900.

SAN FRANCISCO—Anderson & Ringrose submitted the lowest bid to the Board of Public Works for the construction of the Grant School Building at the north side of Pacific avenue between Baker and Broderick streets, from plans prepared by Architect John Reid Jr., First National Bank Bldg. The low bid for heating and ventilating, and plumbing was submitted by A. Lettich.

The building will contain eighteen rooms and assembly hall, manual training and domestic science departments and is estimated to cost $200,000.

Following is a complete list of the bids received:

**General Construction.**

| | |
|---|---|
| Anderson & Ringrose | $155,474 |
| P. F. Reilly | 177,000 |
| O. Monson | 156,850 |
| Robert Trost | 164,956 |
| Clinton Construction Co. | 189,000 |
| W. D. Henderson | 172,856 |
| K. E. Parker Co. | 180,700 |
| Lange & Bergstrom | 174,987 |

**Plumbing.**

| | |
|---|---|
| A. Lettich | $10,934 |
| Kiernan & O'Brien | 14,672 |
| Alex. Coleman | 12,989 |
| Thos. Skelly | 13,584 |
| C. Peterson Co. | 13,874 |
| Scott Co. | 13,412 |
| Wm. Wilson | 16,789 |
| J. E. O'Mara | 13,900 |
| Turner Co. | 14,740 |
| H. Lawson | 15,450 |

**Heating and Ventilating.**

| | |
|---|---|
| A. Lettich | $10,961 |
| C. Peterson Co. | 13,234 |
| Wm. Wilson Co. | 15,357 |
| Kiernan & O'Brien | 12,925 |
| Alex. Coleman | 11,270 |
| Turner Co. | 14,240 |
| Scott Co. | 12,460 |
| Knittle-Cashel | 13,434 |
| James A. Nelson | 12,931 |
| F. P. McKeon | 12,923 |
| Wittman-Lyman Co. | 13,875 |
| J. E. O'Mara | 12,421 |
| Atlas Heating & Ventilating Co. | 13,363 |
| H. Lawson | 12,998 |

## STORES AND OFFICES.

Completing Plans. Figures to be Taken Next Week.
STORE BLDG. Cost, $15,000
SAN FRANCISCO. Grant Avenue near Pine Street.
One-story, basement and mezzanine concrete store building.
Owner—Withheld.
Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.

ALTERATIONS Cost, $25,000
Plans Being Prepared.
PORTLAND, Ore. NW Twelfth and Everett Streets.
Reconstruct present two-story brick stores and offices (100x100).
Owner—Burness & Martin.
Architect—W. W. Luclus, Lewis Bldg., Portland, Ore.

Contract Awarded
To Take Preliminary Estimates.
CLASS "A" BLDG. Cost $1,000,000 or more.
SAN FRANCISCO. Main and Market Streets.
Fifteen-story Class "A" office building.
Owner—Matson Navigation Co.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
Estimates will be taken shortly to determine whether the construction will go ahead at present.

Contract Awarded.
AUTO SALES BLDG. Cost, $100,000
OAKLAND, Alameda Co., Cal. NW Twenty-first and Webster Streets.
Three-story Class "C" auto sales building.
Owner—L. D. Allen Co., 1520 Van Ness Ave., San Francisco (California Motor Sales Co.)
Architects—Owners.
Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.

Contract Awarded.
OFFICES & STORES Cost, $225,000
SEATTLE, Wash. NE Sixth and Pine Streets.
First unit of 10-story fireproof office building; two-story and basement, offices and stores, 120x113.
Owner—J. T. Heffernan.
Architect—John Graham, L. C. Smith Bldg., Seattle, Wash.
Contractor—C. C. Cawsey, Boston Blk., Seattle.

Plans Being Prepared.
AUTO SALES BLDG. Cost, $50,000
SAN FRANCISCO. Van Ness Avenue District.
Three-story reinforced concrete auto sales building.
Owner—Withheld.
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.

Plans Being Prepared.
AUTO SALES BLDG Cost, $30,000
SAN FRANCISCO. Van Ness Avenue District.
Owner—Withheld.
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.

Contract Awarded.
OFFICES Cost, $——
SEATTLE, Wash. SW Fourth and Pine Streets.
Ten-story and basement fireproof offices, 173x108, (terra cotta trimmings).
Owner—Pine Building Co. (A. L. Aabling Bldg.)
Architect—H. Ryan, Peoples Bank Bldg., Seattle, Wash.
Contractor—Hans Pederson, Alaska Bldg., Seattle, Wash.
Provision is made in the plans for an addition of 6 of 8 stories.

Plans Complete. Figures to be Taken Shortly.
ADDITION. Cost, $——
SAN FRANCISCO. NE California and Leidesdorff Streets.
Six-story Class "A" addition to one-story office building.
Owner—Liverpool & London & Globe Insurance Co., Ltd.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.

VALLEJO, Solano Co., Cal.—The contract for furnishing and installing electric fixtures in the Virginia Theatre, P. J. Hanlon, Manager, has been awarded to the Hobrecht Co., 1014 6th St., Sacramento.

Sub-Figures Being Taken.
OFFICE BLDG. Cost, $65,000
STOCKTON, San Joaquin Co., Cal. Sutter Street.
Two-story reinforced concrete office building.
Owner—Western States Gas & Electric Company.
Architects & Contractors—Davis, Heller & Pearce, Belding Bldg., Stockton.
Construction will be started in about ten days.

Plans Being Figured.
BANK & OFFICE BLDG. Cost, $——
SANTA ANA, Orange Co., Cal.
Six-story and basement steel frame, brick and terra cotta bank and office building, 100x75.
Owner—First National Bank of Santa Ana.
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.

Sub-Figures Being Taken.
STORES & OFFICES Cost, $60,000
STOCKTON, San Joaquin Co., Cal. NW Weber Avenue and California St.
Two-story reinforced concrete and brick stores and offices, 50x100.
Owner—San Joaquin Investment Co., Represented by Hodgkins & Barnett, 34 N-San Joaquin St., Stockton.
Architects & Contractors—Davis, Heller & Pearce, Belding Bldg., Stockton.
NOTE:—Construction will start May 1st.

STOCKTON, Cal.—The three-story brick building, the ground floor of which is occupied by the Western Union and which faces on North Hunter street, across from the courthouse, has been sold for a price supposed to be around $60,000. The new owners are Filippo Cavalero and John Dentoni of Sonora and Domenico Dentoni of Stockton. The new owners are contemplating spending from $60,000 to $70,000 in improving the building and will make it one of the most modern buildings in Stockton. Triolo, Calestini & Co. handled the sale for the buyers and they consider this one of the cheapest buys in Stockton for some time.

## THEATRES.

Excavation and Foundation Contract Awarded.
THEATRE Cost, $1,000,000
SAN FRANCISCO. Market, Jones and Golden Gate Avenue.
Class "A" motion picture theatre.
Owner—Famous Players Lasky Cptn., Pacific Bldg., San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
R. J. H. Forbes, Monadnock Bldg., San Francisco, has been awarded a contract for the excavation and concrete footings at approximately $35,000.

Plans Being Figured.
THEATRE AND STORE. Cost, $——
CONCORD, Contra Costa Co., Cal.
Reinforced concrete theatre and store building.
Owner—M. E. Lyon, Concord, Cal.
Architect—Not given.
Plans may be seen at room 216 Hobart Bldg., care Mr. Kitson. Bids to be taken for a general contract.

Completing plans. Ready for Figures Next Week.
THEATRE Cost, $75,000
MARTINEZ, Contra Costa Co., Cal. Cor. of Ferry and Ward Streets.
One-story reinforced concrete theatre and store building, 1000 seats (3 or 4 stores).
Owner—A. A. McKeon, Walnut Creek. J. R. Saul, Pacific Bldg., Representing Lessee.
Architects— Reid Bros., 105 Montogmery St., San Francisco.
NOTE—This property has just been sold to Mr. McKeon by J. J. McNamara of Martinez.

# Engineering.

## BRIDGES, DAMS & HARBOR WORK.

REDDING, Shasta Co., Cal.—The Shasta County Supervisors, S. N. Witherow, Clerk, have approved plans and specifications for two new bridges: A reinforced concrete structure across South Cow Creek at Millville and a steel bridge sixty feet long for the Wildcat crossing of the North Fork of Battle Creek.

The latter bridge will be built jointly by Shasta and Tehama counties.

H. G. Kuhn is Clerk of Tehama County.

CARSON CITY, Nevada—Following bids were received by the State Highway Commission, C. C. Cottrell, State Highway Engineer, for the construction of the steel bridge over Virgin River, near Bunkerville in Clark County:

Ross Construction Co., of Sacramento, Calif., $44,514; E. W. Griffith, Las Vegas, $66,662.50; Midland Bridge Co., Salt Lake City, Utah, $59,622; James Burke Co., Salt Lake City, Utah, $61,652.

The contract for furnishing the steel has been let under another contract. No action was taken on the bids for construction.

ST. JOHNS, Ariz.—David K. Udall of St. Johns, submitted the lowest bid at $151,000 for completing the Lyman dam. R. L. Shea of California, bid $168,000 and Parks & Johnson of St. Johns, $172,000. The bids were taken under advisement.

RED BLUFF, Tehama Co., Cal.—Bids have been ordered received by the County Supervisors for the construction of nine bridges in various sections of the county. The structures will cost in the neighborhood of $351,900, and are as follows:

| | |
|---|---|
| Squaw Hill bridge | $150,000 |
| Red Bank | 30,000 |
| Mill Creek (east side) | 30,000 |
| Deed Creek (east side) | 54,000 |
| Antelope (east side) | 8,900 |
| Singer Creek (east side) | 16,000 |
| 2 N. Fork Mill Creek | 9,000 |
| Reeds Creek | 3,400 |

Cold Fork, Cottonwood, no estimate.

It is probable that the bids will be opened May 18th.

H. G. Kuhn is County Clerk.

Plans Being Figured. Bids Close May 6, 1920.
EXTENSION OF BULKHEAD Cost, $——
SAN FRANCISCO. Pier No. 19, San Francisco Waterfront.
Extension of concrete bulkhead about 100 feet long.
Owner—State Board of Harbor Commissioners.
Engineer—Frank B. White, Ferry Bldg., San Francisco.

RED BLUFF, Tehama Co., Cal.—The following bids have been taken under advisement by the County Supervisors, H. G. Kuhn, County Clerk, for the construction of the Coyote Creek bridge; Hart Construction Company, $5,975; Ross Construction Company, $4,220. The bids were taken under advisement.

RED BLUFF, Tehama Co., Cal.—The County Supervisors, H. G. Kuhn, County Clerk, have awarded a contract to J. W. Brunk for the construction of the bridge on the Henleyville and Paskenta road upon his bid of $1585. One other bid, that of the Hart Construction Company was $1860.

SAN FRANCISCO—Four bids were received by the Board of Public Works for the construction of aqueduct tunnels in the Mountain Division of the Hetch Hetchy project, under contracts No. 77, 77-A, 77-B and 77-C. Bids were submitted by:

R. C. Storrie & Co.,
Utah Construction Co.,
Healy-Tibbitts Construction Co.,
Construction Company of North America.

The bids have been referred to City Engineer M. M. O'Shaughnessy to determine the lump sum bid by each firm. It is expected that by Friday the complete compilation of bids will be made.

The following bids were received for Slide Gates for the Hetch Hetchy project, under Contract No. 67:

| | |
|---|---|
| Coffin Valve Co. | $203,500 |
| Joshua Hendy Co. | 209,973 |

For bus bodies under Contract No. 123 of the Municipal Railway System, the following bids were opened:

| | |
|---|---|
| A. Meister & Sons | $3,450 |
| C. A. Solter | 3,866 |
| Manly S. Harris | 5,985 |

## IRRIGATION PROJECTS.

YUBA CITY, Sutter Co., Cal.—Ten owners, farming 3,140 acres of land in the district between Nicolaus and Vernon have petitioned the Sutter County Board of Supervisors for the formation of an irrigation district. The hearing has been set for May 3rd.

It is proposed to pump the water from the Feather River.

The petitioners are Judge Peter J. Shields of Sacramento, Robert E. Shields, Wilder and McKissick, J. J. MacNamara, Mrs. Kate MacNamara, Manuel McKeehan, F. A. McKeehan, G. A. Wessing and F. W. Wessing.

YREKA, Siskiyou Co., Cal.—The County Supervisors, W. J. Nellon, Clerk, at the May 3rd session, will consider the application of the proposed Shasta Irrigation District which covers the Granada and Big Springs sections.

OAKDALE, Stanislaus Co., Cal.—The South San Joaquin Irrigation District is preparing to make the surveys for a new reservoir project on Black Creek and Littlejohn Creek.

Efforts to secure the co-operation of the Oakdale Irrigation District in the project failed, and the South San Joaquin District has decided to go ahead with the scheme.

SAN JOSE, Santa Clara Co., Cal.—The County Supervisors, Henry A. Pfister, County Clerk, have appropriated $5,000 as a portion of the $20,000 asked to obtain a complete survey of the water situation in Santa Clara County.

Chas. E. Warren, of Cupertino, and J. W. Breton, of Morgan Hill, urged that the full amount be appropriated. Warren, who is chairman of the Water Conservation Committee of Santa

Clara County, reported that Engineer Fred H. Tibbitts, Alaska Commercial Bldg., San Francisco, and Engineer Stephen E. Kieffer, 78 Uplands St., Berkeley, had been selected as superintending engineers for the preliminary work.

SAN FRANCISCO.—Engineer Thos. H. Means, 58 Sutter Street, has been chosen by the Directors of the Madera Irrigation District to act as Chief Engineer. The district recently voted bonds to carry out the construction work necessary for the huge project.

Offices of the District are located in Madera.

## LIGHTING SYSTEMS.

PETALUMA, Sonoma Co., Cal.—Bauer & Baugh, Petaluma, have been awarded a contract by the City Council for installing conduits for the electrolier system in Main and third streets, they being low bidders at $1,515. Other bids were:

| | |
|---|---|
| H. C. Reed & Co. | $2,100 |
| Severn Electrical Co. | 2,800 |
| Butte Electrical Equip. Co. | 2,420 |

Lyman Green is City Clerk.

SAN BERNARDINO, Cal.—The City Council has rejected all bids received April 5 for constructing an ornamental lighting system on Third street, and City Engineer Will L. Brown has been instructed to prepare new plans and specifications which are expected to save from $3,000 to $5,000. C. W. Sparks of Los Angeles submitted the low bid on this work at $39,866.

WOODLAND, Yolo Co., Cal.—The City Trustees have recinded their action in passing a resolution providing for the construction of electroliers in Main street, owing to an error in the proceedings. New proceedings were ordered and the City Engineer instructed to prepare the necessary plans for the work.

SAN FRANCISCO — The Mission Street Merchants' Association has appointed a committee to work out a campaign to secure the installation of a uniform lighting system in Mission street from Third to Thirtieth streets.

## MACHINERY.

GLENDALE, Los Angeles Co., Cal.—Until 7:30 p. m., April 29, bids will be received by City Clerk L. C. Sherer for one deep well pump, one vertical motor, one booster pump and one 350 h. p. electric motor in accordance with specifications on file in the office of the City Clerk.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

WASHINGTON, D. C.—Bids for furnishing and delivering the following materials to Pacific Coast Navy Yards are wanted by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C. (Date of opening bids noted at end of each paragraph.)

Schedule 5880, for eastern and western yards, steel floor plates, opening of May 14.

Schedule 5881, for eastern and western yards, machinery steel, opening of May 14.

Schedule 5882, for eastern and western yards, steel shapes, opening of May 14.

Schedule 5883, for eastern and western yards, steel rivets, opening of May 14.

Schedule 5884, for eastern and western yards, steel plates, opening of May 14.

Schedule 5885, for eastern and western yards, billet and bar steel, opening of May 14.

Schedule 5913, for eastern and western yards, sheet steel, opening of May 14.

Schedule 5947, for eastern and western yards, boiler steel, opening of May 14.

Schedule 5948, for eastern and western yards, 150,000 pounds tinned butter, opening of May 4.

Schedule 5952, f. o. b. works, 24 aluminum gasoline tanks, opening of April 30.

Schedule 5958, for Mare Island, 3,000 pounds copper tubing, opening of May 7.

Schedule 5963, for Mare Island, 6,800 yards cocoa matting, opening of May 7.

Schedule 5967, for Mare Island, 30,000 pounds sulphuric acid, opening of May 7.

Schedule 5968, for Mare Island, 8,000 feet white oak, opening of May 7.

Schedule 5970, for eastern and western yards, pressure gauges, opening of May 14.

Schedule 5972, for Keyport, Wash., steel racks, bins, ladders and lockers, opening of May 7.

Schedule 5974, for Puget Sound, 1 anchor windlass, opening of May 11.

MARTINEZ, Contra Costa Co., Cal.—The County Supervisors, R. R. Arnold County Highway Engineer, has awarded a contract to S. C. Rodgers at $69,296.25 for the paving of the Richmond to Giant highway. Award of the contract was withheld pending the sale of the county highway bonds.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Four bids were received by the County Supervisors for furnishing and delivering cement for use in county highway construction.

Pacific Portland Cement Co., Santa Cruz Portland Cement Co., Henry Cowell Lime & Cement Co., and California Portland Cement Co., each quoting a price of $212,290, less 5 cents per barrel cash discount.

The contract was divided equally among the first three companies.

SAN DIEGO, Cal.—C. H. Hudson, 408 Marsh-Strong Bldg., Los Angeles, submitted the lowest bid at $59,300 for grading and constructing reinforced concrete and corrugated iron culverts on Mission road, No. 1, Sec. A, over the Poway hill, about 6 miles in length.

SAN LEANDRO, Alameda Co., Cal.—Up to May 3rd, 8 P. M., bids will be received by the City Trustees, J. J. Gill, Clerk, for the improvement of Alvarado street from the north line of Castro, beginning at the intersection of the west line of Alvarado street with the south line of Hepburn street and running east along the south line of Hepburn street 18 feet, thence southeast across Alvarado street to a point on the east and distant 137.68 feet north from Saunders street, by grading; constructing redwood curbing and paved with a macadam pavement. Certified check for 10% payable to City required.

Plans may be seen at the office of R. H. Goodwin, 579 25th St., Oakland.

Consul Foster at Vera Cruz has telegraphed that the following contracts will be let in the near future: (1) 3,000 square meters asphalt street and park paving; (2) 4,000 square meter market house to cost approximately $500,000. Communications should be addressed to Junta Vecinal de Mejoras Materialtes, Vera Cruz, Mexico.

YUMA, Ariz.—New proceedings have been started by the City Council for constructing a sewer system, including outfall and sewage pumping plant under the Improvement Act of 1919. A resolution of intention was adopted on April 1. Geo. S. Benson & Sons of Los Angeles, were awarded the contract for this work under previous proceedings but decline to sign a contract because of technical errors in the proceedings.

SAN FRANCISCO.—The Board of Supervisors has adopted Ordinances authorizing the Board of Public Works to call bids for grading and paving the north half of Sloat Boulevard from the Great Highway to Fortieth avenue and the easterly half of the the Great Highway from Fulton street to Lincoln Way.

MARTINEZ, Contra Costa Co., Cal.—City Engineer W. S. Farley has been instructed by the Trustees to prepare plans and specifications for a sump and automatic pump to be installed in Howard street for the purpose of lifting the sewage back to Escobar street where it can be carried to the main septic tank on the lower Alhambra Creek in place of emptying into the tule lands. The work is estimated to cost $5,000.

C. E. Daley is City Clerk.

STOCKTON, San Joaquin Co., Cal.—The City Council has commissioned Fred H. Tibbitts, Engineer, Alaska Commercial Bldg., San Francisco, to make a study of the local water situation and later a report on the basis of which steps may be taken by the City to hold a bond election to provide for a municipal water works.

He will make an exhaustive study of the situation around Stockton and will render his report by August 15th, agreeing to perform the services for $3250.

A. L. Banks is City Clerk.

HANFORD, Kings Co., Cal.—The City Trustees have agreed to appropriate $7,000 for the widening of West Ninth street. The sum of $5,900 will be raised by private subscription to place the work under construction.

D. C. Williams is City Clerk.

RICHMOND, Contra Costa Co., Cal.—Fred Meyers submitted the lowest bid to the City Council for the improvement of Wall avenue, his bid being a trifle over $35,000.

No action was taken by the Council. It is planned to take the matter up with the property owners of that section. A. C. Farris is City Clerk.

Pacific PIPE

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New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

WOODLAND, Yolo Co., Cal.—The City Council has awarded a contract to the Clark & Henery Construction Company for grading and paving Bush street at 24 9-10 cents a square foot. J. H. Laugenour is City Clerk.

NAPA, Napa Co., Cal.—The County Supervisors have awarded a contract to Ransome-Randall Co., 28th and Poplar streets, Oakland, for the construction of 11.6 miles of concrete highway from Rutherford to Calistoga, they being low bidders at $171,000.

James A. Daly is County Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council has ordered the construction of a sewer in Second street between Younger Court and Cliff street and has adopted resolutions changing grades in certain streets, which will permit the construction of the Beach Hill project, providing for the paving of the Laurel street extension and Third street from Pacific avenue to the Cut-Bias bridge.

S. A. Evans is City Clerk.

SACRAMENTO, Cal.—A call for bids will be issued by the City Commissioners in the near future for the improvement of Thirteenth street between R and X streets and Marshall Way from Franklin Boulevard west distance of two blocks to the Heilbron tract.

M. J. Desmond is City Clerk.

RED BLUFF, Tehama Co., Cal.—The County Supervisors have awarded a contract to Creath Dale at $1.90 per cubic yard for grading and macadamizing about seven miles of the Manton road between the Dale Place and Battle Creek, he being the only bidder, the county to furnish the rock crusher.

This contract was formerly awarded to M. E. Edwards of Manton, who failed to qualify in filing his bond and which caused the supervisors to rescind the contract. H. G. Kuhn is County Clerk.

VALLEJO, Solano Co., Cal.—The City Council has adopted an Ordinance establishing official grades on streets in the eastern sewer district, which includes all of that territory lying east of the S. P. tracks and north of Georgia street. The grades were established preliminary to the laying of sewers in the district.

RICHMOND, Contra Costa Co., Cal.—Petitions have been received by the City Council, A. C. Faris, City Clerk, urging the immediate improvement of Garvin avenue from Twenty-third avenue to the S. P. tracks.

City Engineer Chapman presented diagrams to the Council providing for the improvement of Santa Fe avenue. Action was laid over until next meeting.

FRESNO, Fresno Co., Cal.—The following bids were received by the County Supervisors, D. M. Barnwell, County Clerk and Chris. P. Jensen, County Highway Engineer, for the construction of the Fowler-Laton-Nebraska avenue unit of the county highway system:

**Under Specification No. 4 (Black Base).**

Federal Construction Company, grading, $1.59, surfacing .269 cents; C. E. Blanchard, grading $1.75, surfacing .26 cents; Hugh Crummey, grading $1.65, surfacing .024¾ cents; and the California Company, grading $1.48, surfacing .275 cents.

The engineer's estimate for this specification was $1.40 for grading and 23 cents for surfacing. All bids were higher than the estimates.

Under the previous call for bids for this work the low bid submitted for black base was $26,084 per mile. Those submitted above ran at approximately $23,313 a mile.

ELY, Nevada.—The City Council is considering the construction of the proposed sanitary sewer in Mill street, recently designated as Sewer District No. 7. The City Engineer estimates the work to cost $5,000.

The Council has adopted a resolution providing the construction of a concrete storm sewer to carry the waters and flood waters of Murry Creek Canyon. The present wood sewer has decayed and the Council plans immediate construction. Approximately $30,000 will be expended in the work.

Alfred Tamblyn is City Clerk.

ALAMEDA, Alameda Co., Cal.—The City Council, at the next meeting, will consider the proposed improvement of Twenty-third avenue. R. E. Bosshard is City Clerk.

CARPINTERIA, Santa Barbara Co., Cal.—About 20 blocks of streets in Carpinteria aggregating about 1½ miles in length, will be paved with 4-in. crushed rock base and 2-in. asphalt concrete surface. County Surveyor Owen O'Neill is preparing plans and specifications for the work and the supervisors are expected to issue a call for bids at their meeting on May 3. The paving will be done under one contract.

SAN RAFAEL, Marin Co., Cal.—Revised specifications for improvement work in Mountain View avenue have been approved by the City Council.

Eugene W. Smith is City Clerk.

SAN LEANDRO, Alameda Co., Cal.—The City Trustees, J. J. Gill, Clerk, have passed a resolution of intention providing for the extension of Palm avenue (known as Oakes Boulevard) into Woodland avenue in the Cherry Acres Tract.

Assessment district has been formed to finance construction of the extension which is estimated to cost $3,000.

R. H. Goodwin is City Engineer.

SACRAMENTO, Cal.—Bids received by the State Highway Commission on April 12th for improving the following portion of the State highway were rejected and work will be done by day's labor:

Humboldt County between Dyerville and Fortuna, (1-Hum-I-D.E&F), about 25.2 miles in length, to be paved with Portland cement concrete.

The lowest bid received was from T. L. Burr of San Francisco at $442,947.65.

Engineer's estimate, $334,958.

SAN BERNARDINO, Cal.—Until 7:30 p. m., May 3, bids will be received by City Clerk J. H. Osborn for constructing an 8-inch vitrified pipe sewer in 4th, 7th and Court streets; also for constructing a 6-inch vitrified pipe sewer in Meacham street.

Separate bids will be received for the following: For improving 9th St. between G and I Sts., by paving with 4-inch concrete base and ⅜-inch oil and rock screenings surface and constructing cement curbs.

For constructing cement curb and sidewalks on both sides of Fifth St. between A St. and Arrowhead Ave.; work to be done under Imp. Act of 1911. Will L. Brown, City Engineer.

VALLEJO, Solano Co., Cal.—The Marin Water Co. has made a proposition of 10 cents per thousand gallons to the City of Vallejo for water. Vallejo is to build the pipe line which will cost approximately $1,000,000.

KINGMAN, Ariz.—The state will call for bids to be opened on May 1 for constructing an approach to the bridge on the highway to connect Arizona and Utah. The state has appropriated $50,000 and Mohave Co., $40,000 for the work. Bids for the construction of the Oatman-Goldroad highway will also be opened on May 1.

YREKA, Siskiyou Co., Cal.—The Siskiyou County Supervisors have appointed Harvey J. Sarter as County Road Engineer, and Arthur O'Connor Assistant Engineer. Sarter has been County Surveyor for many years.

W. J. Nellon is County Clerk.

SEATTLE, Wash.—Up to May 10th bids will be received by the King County Commissioners for paving the Enumclaw-Franklin road. The work is estimated to cost $53,542.

Carl E. Morford is Assistant County Engineer.

LONG BEACH, Los Angeles Co., Cal.—Following the rejection by the City Commission of all bids received for oil macadam paving on Santa Cruz St. Commissioner of Public Works John D. Seerie stated he is seriously considering the establishment of a municipal plant and the purchase of equipment for the city to do its own paving.

CARSON CITY, Nevada—The contract for the construction of the Nevada State Highway from Zola to Mill City, Pershing County, 27.81 miles, has been awarded by the State Highway Commission to J. H. Causten of Lovelock, Nevada, at $94,289.28.

Work consists of grading, gravel surfacing and construction of culverts. Other bidders were:

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|---|---|
| Mathews Constr. Co. | $118,620.85 |
| Kibby, Gibson & Norris | 117,341.50 |
| Pitt Taylor Syndicate | 121,535.00 |

C. C. Cottrell is State Highway Engineer.

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WOODLAND, Yolo Co., Cal.—The Clark & Henery Construction Co., Ochsner Bldg., Sacramento, will be awarded the contract for the first unit of the Yolo County Highway System, they being low bidders for the work.

Bids received as follows:

Clark & Henery Construction Co. for a 3½ inch asphaltic concrete base, with 1½ inch Topeka wearing surface, $21,023 per mile or $226,423.

With a Warrenite surface over the same base, the cost would be $23,600, or $2,577 per mile greater than the Topeka top.

For a 4 inch asphaltic concrete base, with a 1½ inch Topeka top, $22,333 per mile; with a Warrenite top over the 4-inch base, $24,656 per mile.

For a 3½ inch cement base, with 1½ inch Topeka top, $24,656.45 per mile as compared to $27,098.42 per mile for the same base with a Warrenite wearing surface.

For a 4 inch concrete base with 1½ inch Topeka top, $26,135 per mile against $28,202.32 for the same base with a Warrenite top.

A. W. Macpherson of Woodland was low on the concrete with no wearing surface type of road. His figure was $21,443.22.

H. Crumney of Fresno, was next to Clark & Henery in bidding for the type desired by the supervisors, his figure being $43,000 above the Clark & Henery bid.

Other bidders were A. Teichert & Son of Sacramento, and the Federal Construction Company of San Francisco.

H. R. Saunders is County Clerk.

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SAN FERNANDO, Los Angeles Co., Cal.—The Baker Iron Works of Los Angeles, was awarded the contract at about $52,000 for furnishing about 8 miles of riveted steel pipe, 6 to 16 in., for the city water system. Bids were also submitted by the Western Pipe & Steel Co., Lacy Mfg. Co., and Los Angeles Mfg. Co. A. L. Sonderegger, Central Bldg., Los Angeles, Consulting Engineer.

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LONG BEACH, Los Angeles Co., Cal.—Mayor Lisenby announces that urgent improvements to the municipal water system under the bond issue will be undertaken at once, the city being assured of the sale of $100,000 worth of bonds by the clearing house association. He advocates the construction of a concrete pipe line to cost $15,000, connecting the Bouton wells with the storage reservoir at Anderson St. station. A well 1000 ft. deep will be sunk in the Barndollar tract. The first 150 ft. of the well will be protected by a 26-in. concrete casing. The estimated cost is $12,000. Two electrically driven pumping plants will be installed later.

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TUSCON, Ariz.—Award of contracts for constructing the Tucson-Casa Grande road, approximately 24 miles in length, has been deferred by the Pima County highway commission to May 5. Following are the bids received April 7:

E. M. Gallagher & Co., of Phoenix—Earth excavation, 37c cu. yd.; earth levee, 50c cu. yd.; surfacing, $1.95 cu. yd.; placing steel, 8c per pound; hand rails in place, $2.25 ft.; Class A concrete for bridges and culverts, $21 cu. yd.; for dips, $18.50; Class B concrete for bridges and culverts, $20; for dips, $17.50; excavation for bridge piers, $2 cu. yd.; dip excavation, $1.50.

S. Y. Fawcett—Excavation of embankments, 32½c; earth levee, 32½c.

Littlejohn & Singleton—Surfacing, $1.68 cu. yd.

J. T. Chiago—Placing steel, 5c; handrails, $2.50; Class A concrete for bridges and culverts, $23; Class A concrete for dips, $19; Class B concrete for bridges and culverts, $23; Class B concrete for dips, $19; excavation for bridge piers, $1.50; dip excavation, $1.

P. P. Correll—Placing steel, 4c; handrails, $2.50; Class A concrete for bridges and culverts, $20.50; Class A concrete for dips, $17.50; Class B concrete for bridges and culverts, $20.50; Class B concrete for dips, $17.50; bridge excavations, $1.50; dip excavations, $1.

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SAN BRUNO, San Mateo Co., Cal.—Jas. Currie, 3120 Bolboa St., San Francisco, submitted the lowest bid at $56,258.24 to the City Trustees of San Bruno for furnishing and installing a water system consisting of pipes, hydrants and appliances. Other bids submitted were:

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|---|---|
| Schulz Constr. Co., S. F. | $63,650.40 |
| Bos & O'Brien, S. F. | 62,839.58 |
| John Schyf, San Bruno | 62,581.84 |

The bid of Jas. Currie was taken under advisement, all others being rejected.

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BISHOP, Inyo Co., Cal.—Until 8 P. M., May 6, bids will be received by City Clerk A. D. Schiveley for the construction of a sewer system involving 15,360 ft. of 6-in., 2600 ft. of 12-in., and 1620 ft. of 14-in. pipe, 45 manholes and 8 flushtanks. Bids will be taken for both vitrified and cement pipe. Plans and specifications may be seen at the office of the City Clerk and may be obtained from Olmsted & Gillelen, Consulting Engineers, Hollingsworth Bldg., Los Angeles, on payment of $1.50. Certified check for 10% required.

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VALEJO, Solano Co., Cal.—City Commissioner R. O. Pierce, at the next meeting of the City Council, will recommend the consideration of a water supply to be taken from the section north of the City of Napa. Pierce states a vast store of water from Millican Creek is running to waste and can be obtained by the construction of a pipe line 22 miles long.

T. D Kilkenny is City Engineer and Alf F. Edgcumbe, City Clerk.

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BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has passed resolution of intention No. 405-NS, providing for the construction of a 6-inch vitrified, ironstone sewer in Harrison street from the west line of San Pablo avenue, for a distance north 410 feet and the construction of a 6-inch vitrified, ironstone sewer in Tenth street from Harrison for a distance of 350 feet north, including the construction of brick manholes.

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OROVILLE, Butte Co., Cal.—Up to 2:30 p. m., May 3rd, bids will be received by the Butte County Supervisors, C. F. Belding County Clerk, for the construction of certain road work on Eighth avenue in Chico Vecino, and on Pomona avenue, at Chico. The bidder shall state a price per square foot for the completed asphaltic pavement ready for travel. He shall also submit a price per ton for hauling from the railroad, placing and rolling on the sub-grade the necessary rock to be used thereon. The rock to be furnished by the County of Butte.

Certified check of $400 required.

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MODESTO, Stanislaus Co., Cal.—W. O. Thompson, City Clerk, will receive bids up to April 28th, 5 p. m., for the improvement of Lee street from the east line of McHenry avenue to the west line of Johnson street, by grading, constructing concrete curbs and gutters, and 4-inch concrete base with a 1½-inch bitulithic wearing surface.

Certified check for 10% payable to city required.

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BAKERSFIELD, Kern Co., Cal.—Federal Construction Co., Call Bldg., San Francisco, submitted the only bid and was awarded the contract for paving Sumner St., involving 109,998 sq. ft. grading at 3.9c sq. ft., 73,332 sq. ft 4-in. bituminous base with 1½-in. Warrenite surface at 26c sq ft., and 82 lin. ft. culvert at $5 ft. F. W. Nighbert submitted the only bid and was awarded the contract for grading 24th St., involving 155,105 sq. ft. grading at 5.5c sq. ft., 2,798 lin. ft. cement curb at 56c ft., and 6,836 sq. ft. concrete gutter at 30c sq. ft. R. W. Whitaker, City Engineer.

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LOS ANGELES, Los Angeles Co., Cal.—Fairchild-Gilmore-Wilton Co., Pacific Electric Building, Los Angeles, was awarded the contract at $99,996.28 for improving Seaside avenue between Altoona Place and Samples Place, involving 136,069 sq. ft. protected concrete paving at 37c ft.; 90,725 sq. ft. finishing grade, oiling and rolling at 7c ft., and about 50,000 cu. yds. fill at lump sum of $43,300. No other bids were received.

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MARTINEZ, Contra Costa Co., Cal.—Bids will be received up to May 3, 1920, 11 o'clock A. M., for constructing Div. No. 20 of County Highway which begins at Station 435+00 of survey of Div. No. 20 of said highway system and is portion of San Pablo Creek route running from dam of East Bay Water Co. northwesterly down San Pablo Creek to a point in State Highway south of Town of San Pablo, a distance of 4.59 miles.

Also for oil macadam pavements on Div. No. 28, which runs east through Seceions 34-35-36 township 1 N., R. 3 East, M. D. M. on what is known as Borden Highway, a distance of 3.96 miles.

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MARYSVILLE, Yuba Co., Cal.—Sealed proposals will be received by the Board of Supervisors of the County of Yuba, until Wednesday, May 5, 1920, for the construction of two miles of highway on the District 10 road, beginning at a point on Mock's Grade, the northern boundary of the City of Marysville, and running north 2 miles.

W. M. Strieff is the County Clerk.

STOCKTON, Cal.—City Engineer W. B. Hogan was instructed by the Council to prepare plans and specifications for the improvement of North street. He suggested that it should be paved with 4½ inches of asphalt macadam over a 2½ inch gravel base. The City Engineer was instructed to furnish specifications for South street after he has completed the North street plans.

For the improvement of the block on Miner avenue between the east line of California street and the west line of American street, a bid was received from the Clark & Henery Construction Company which offers to do the work for $3,604.23. Commissioner Kenyon stated that the department of public works could do the job for a less amount. The bid was then rejected and the department authorized to go ahead with the paving.

SAN RAFAEL, Marin Co., Cal.—Up to May 3rd, 2 P. M., bids will be received by Rob. E. Graham, County Clerk, for constructing a concrete pavement and curbs, sub-grade, drains, catchbasins, culverts, etc., in Willow, Live Oak and Laurel avenues throughout their entire length in Road Improvement District No. 6. This work will be done under the Road District Improvement Act of 1907.

Certified check of 10% payable to Chairman of the Board of Supervisors required.

SACRAMENTO, Cal.—A resolution of intention for the improvement of K street from Second to Tenth street has been adopted by the City Commission.

The work will consist of constructing concrete gutters 6 inches thick and 24 inches wide.

M. J. Desmond is City Clerk.

MODESTO, Stanislaus Co., Cal.—The Standard Paving Co., Modesto, has been awarded the contract by the City Council for the paving of Park avenue, they being the only bidders, at 18 cents per square foot.

W. O. Thompson is City Clerk.

MODESTO, Stanislaus Co., Cal.—The City Council has authorized the paving of G. H. and I streets crossing the Southern Pacific Railroad, and the City Engineer has been instructed to prepare the necessary plans.

W. O. Thompson is City Clerk.

VALLEJO, Solano Co., Cal.—Louis Tagnon of Vallejo has been granted a permit by the City Council to improve Hichborn street between Sacramento and Fremont streets by private contract.

The work will consist of constucting concrete curbs and sidewalks and paving with 5-inch cement concrete base. The cost is $6.13 per lineal foot.

Alf. E. Edgcumbe is City Clerk.

LOS ANGELES, Los Angeles Co., Cal. Fairchild-Gilmour-Wilton Co., Pacific Electric Bldg., Los Angeles, was improving Santa Barbara Ave. between awarded the contract at $19,972.38 for San Pedro and Main Sts., involving 63,150 sq. ft. grading at 4c ft.; 63,150 sq. ft. asphalt paving at 24c ft.; 690 sq. ft. concrete paving at 28c.; 325 lin. ft. cement curb at 70c ft.; 276 sq. ft. cement sidewalk at 22c ft.; 3632 sq. ft. concrete gutter at 28c ft. and reinforced concrete culvert at $750. Other bids received by Board of Public Works were: Geo. R. Curtis, $21,576.95; Geo. H. Oswald, $21,948.72.

VALLEJO, Solano Co., Cal.—The City Council, Alf. E. Edgcumbe, Clerk, has approved plans and specifications for the 12-inch sewer running from a point east of the Espee right-of-way from Georgia to Louisiana streets, the estimate cost of which is $12,000. The sewer will be approximately 5000 feet in length and will have 6 and 8-inch laterals, according to City Engineer T. D. Kilkenny.

The Council will consider plans for the proposed sewer in Garford alley and Sutter street between York and Main streets.

CHICO, Butte Co., Cal.—The City Council, J. W. Gibson, City Clerk, has rejected the bid of the Chico Construction Co., the only one received, for the improvement of upper Montgomery street beginning at the east line of Outside Lot 26 across Montgomery street to a point 51 feet east of the northwest corner of Outside Lot 40, by grading and constructing a 2½ inch asphalt concrete base with a Warrenite-Bitulithic wearing surface 1½ inches thick. The Trustees will include this work when calling bids for other street improvements.

NAPA, Napa Co., Cal.—The contract for furnishing culverts for the Napa to Calistoga highway has been awarded by the Supervisors to the California Corrugated Culvert Co., at $1,311.40. The only other bidder was the Western Pipe & Steel Co., at $1,346.20.

The U. S. Steel Products Co., was awarded the contract for supplying wire mesh reinforcement at $3,339.90.

As previously reported, the contract for the construction of the county highway from Rutherford to Calistoga, a distance of 11.69 miles, was awarded to Ransome-Randall of Oakland, at $170,861.95. Other bidders were: Chas. J. Lindgren of Burlingame, $209,051.42 and Ramon J. Blanco of Vallejo, $191,110.25.

James A. Daly is County Clerk.

STOCKTON, San Joaquin Co., Cal.—The C. H. Hodson Co., has been awarded a contract by the City Council, A. L. Banks, City Clerk, for the construction of a corrugated iron pipe culvert and earth fill across the McDougald canal at Church street.

The Standard Oil Company was awarded the contract to furnish the city with 6000 barrels of asphaltic cement for use by the street department. The oil company was the only bidder.

BERKELEY, Alameda Co., Cal.—The City Council A. G. Briggs, City Clerk, has passed resolution of intention No. 406 N. S. providing for the improvement of Addison street from Shattuck avenue to Grove street by constructing concrete curbs and gutters and paving with an asphalt surface on a concrete base 6 inches thick.

WOODLAND, Yolo Co., Cal.—The Clark & Henery Construction Co. has been awarded the contract for the construction of the first unit of the Yolo County Highway system from plans by Asa G. Proctor, County Highway Engineer. The stretch lies between Coil's Corners and Knights Landing and is 10.77 miles long.

The work will consist of constructing a 3½-inch asphalt concrete base with 1½ inch Topeka wearing surface at $21,023 per mile or a total of $226,441.30. H. R. Saunders is County Clerk.

SALINAS, Monterey Co., Cal.—The City Council is planning to extend the Harvest street improvement project to the end of that thoroughfare in place of California street, if the approval of property owners is received.

The 1920 street improvement program planned by the Council will come up for action at the next session. It is planned to have the preliminary work completed by May 1st.

City Attorney J. H. Anderson presented resolutions providing for the improvements of Central avenue and Gabilan streets, but no action was taken.

M. R. Keef is City Clerk.

PETALUMA, Sonoma Co., Cal.—The City Council, Lyman Green, City Clerk, has rejected the bid of H. Graham, the only bidder, for the construction of curbs in Main and Third streets and the Clerk has been instructed to call new bids.

Graham's bid was 7 cents per lineal foot.

WOODLAND, Yolo Co., Cal.—Up to May 3rd, 5 p. m., bids will be received by J. H. Langenour, City Clerk, for the improvement of Clover street from Walnut street to Fourth street; Locust street from Clover to Elliott; Elliott street from Elm to College; Elm street from Court to Clover; North street from a point 199 feet east of Walnut street to Elm street; Fourth street from Main to North; Walnut street from Clover to Court and from Oak avenue to Cross street, by grading and constructing concrete curbs and gutters.

Separate bids will be received on the same date for the improvement of Oak avenue from Elm to College by grading, constructing a bituminous concrete base 3 inches thick with a Warrenite-bitulithic wearing surface 2 inches thick, basalt block headers and concrete curbs and gutters.

Certified check payable to city of Woodland required.

BERKELEY, Alameda Co., Cal.—Up to May 4th, 4 P. M., bids will be received by Nellie L. Crowl, Secretary of the Board of Education, for furnishing labor and materials for digging three wells, as follows:

One at the Thousand Oaks School, situated on the southwest corner of Colusa avenue and Tacoma street; one at the Frances Willard School, situated on the East side of Telegraph avenue between Ward street and Stuart street; and one at the Burbank School, situated on the south side of University avenue, between Curtis and Bonar streets; also for deepening the well at the Edison School, situated on the south side of Oregon street, between Grant and McGee streets.

Specifications may be had from the office of the Board of Education, 2133 Allston Way, Berkeley.

MARTINEZ, Contra Costa Co., Cal.—The Federal Construction Co. of San Francisco has assigned two street paving contracts in this city to Paul and Sayles of Martinez, who already have the contract for paving several streets. The contracts assigned by the Federal Company amount to approximately

$130,000, and covers work in the Main, Talbart and Court street units.

C. E. Daley is City Clerk.

OROVILLE, Butte Co., Cal.—Bids will be received until May 3, 1920, by C. F. Belding, County Clerk, for the construction of a bridge across the Honcut Creek, on the Wyandotte and Honcut county road, near old Kentucky Ranch.

RED BLUFF, Tehama Co., Cal.—The County Supervisors have awarded a contract to J. A. Langer for fills on the South Fork of Cottonwood Creek bridge upon his bid of 68½ cents per cubic yard. C. B. McKerras bid 75 cents.

H. G. Kuhn is County Clerk.

LOS ANGELES, Cal.—Rogers Bros. Co., 350 Merrick St., Los Angeles, submitted the only bid at $63,900 for constructing a disintegrated granite pavement on the Lancaster-Tierra Bonita road in Road Imp. Dist. No. 155, Antelope Valley. The length of the road to be improved is 22,008 ft. and a disintegrated granite pavement 18 ft. wide and 6 in. thick will be laid. Following are the quantities involved in labor and placing materials: 9,133 cu. yds. excavation, 22,008 lin. ft. shaping roadbed; 14,470 tons of granite, hauling and placing; 270 ft. pipe culvert; 22 cu. yds... concrete in headwalls. The following materials will be furnished by contractor: 10,750 tons of granite; 30 ft. 18-in. corrugated metal pipe; 240 ft. 24-in. corrugated metal pipe; 22 cu. yds. concrete; 120 lbs. reinforcing steel. The county will furnish 4,000 tons of granite. Estimated cost to contractor, $44,667.

LOS GATOS, Santa Clara Co., Cal.—R. H. Downer of Richmond has been awarded a contract by the City Trustees, Donna M. Winning, City Clerk, for the construction of a vitrified pipe sewer, with manholes, Y branches and appurtenances in portions of Santa Cruz avenue, Tait, Wilder, Thurston streets, Ashlar avenue, and Williams street.

The bid was $11,045.55. Two other bids were submitted:

| | |
|---|---|
| T. E. Clinch, Richmond, Cal. | $11,790.35 |
| W. J. Schmidt, 2027 Shattuck Ave., Berkeley | 13,018.80 |

WOODLAND, Yolo Co., Cal.—No bids were received by the City Trustees, J. H. Laugenour, City Clerk, for the construction of curbs and gutters in Clover and other streets, and the Clerk was ordered to issue another call for bids.

EUREKA, Humboldt Co., Cal.—The matter of improving the Bull Creek road, a menace to traffic, was asked by residents of the Bull Creek section at the last meeting of the Supervisors.

No action was taken. Fred M. Kay is County Clerk.

OLYMPIA, Wash.—State Highway Commissioner James Allen at Olympia has issued a new call for bids to clear, grade and plank 4 miles of the National Park Highway in Lewis County; clear, grade and gravel 5.6 miles of Olympic Highway in Mason County; clear, grade and gravel 1.2 miles of State Road No. 5 in Lewis County near Randle and for the construction of a concrete T-beam bridge of 6-28 foot spans over Mud Bay west of Olympia.

Bids on these undertakings are to be opened at the State Highway Commission's Office in Olympia at 2 P. M., May

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The City Council has appointed a committee to discuss with property owners the matter of placing a permanent paving in Monterey street between Santa Rosa and Chorro, to link with the county highway to be constructed under the recently voted bond issue.

WILLOWS, Glenn Co., Cal.—The City Council, at its last meeting, decided to proceed with a paving program, the work to be done under the Vrooman Act. City Clerk J. E. Eubank has been instructed to take the necessary steps preliminary to ordering the work.

SANTA ROSA, Sonoma Co., Cal.—Following bids were received by the County Supervisors for highway construction:

**Sonoma to State highway section,** Cotton McCauley Co.; excavating, $1.25 a cubic yard; concrete work, $45 a cubic yard; entire graveling, $13,500.

**Healdsburg to Napa county line,** Englehart Paving & Construction Co., and Thomas Englehart; excavation, $1.50 a cubic yard; concrete, $35 a cubic yard; concrete pavement, $95,560.

A. J. Grier; excavation, $1.50 a cubic yard; concrete, $40 a cubic yard; graveling road, $19,000.

Convers & Hansen; excavation, $1.20 a cubic yard; concrete, $40 a cubic yard; graveling road, $18,986.

No bids were received by the Board for the construction of the **Sebastopol-Cotati Highway,** in First and Second Supervisorial Districts.

The bids were rejected. W. W. Felt Jr. is County Clerk.

FALLON, Nevada—Construction of the 100 miles of ditches to effect drainage of the Newlands Project will commence September 1st, according to John L. Burkholder, Drainage Construction Engineer of the United States Reclamation Service, who has arrived in Fallon from Denver to complete preliminary arrangements.

Drag-line excavators will be used in digging the drainage system, and everything will be conducted along the most economic lines.

A bond issue of $700,000 to finance the work recently authorized by a vote of settlers.

BAKERSFIELD, Kern Co., Cal.—Bids will be received by V. Van Riper, City Clerk, up to 6 P. M., May 10th, for the improvement of Park Way between Block 4, West Park and Cleander Ave., including intersections by grading and tamping and rolling the base and surfacing with oil and crushed rock.

DAVIS, Yolo Co., Cal.—Following bids were received by the City Trustees for the construction of a water works system from plans prepared by Galloway & Markwart, Engineers, First National Bank Bldg., San Francisco:

The specifications as issued for the work divided the work into six different headings, as follows:

(A) Wells
(B) Buildings
(C) Furnishing pipe, fittings and other materials.
(D) Furnishing and erecting wooden water tank.
(E) Furnishing and erecting a pumping plant.
(F) Installation of the distribution system.

**Heading "A":**

The only bid received for the wells was from J. G. Rowe, Jr., of Davis, who offered to dig two wells 200 feet deep for $2,488. He will dig one well for one-half this price, and will extend it deeper, if necessary, at various rates.

**Heading "B:"**

The only bid for the buildings, separate from other parts of the work, was received from Jensen & McGuire of Davis. Their bids were as follows:

| | |
|---|---|
| Pumping station complete | $2232.15 |
| Pump house | 360.95 |
| Workshop | 886.75 |

In addition, they offered prices for building the foundations of the wooden water tanks.

**Heading "C:"**

The only complete bid received under this heading was from the Mark Lany Co. for furnishing all pipe and material, the pipe to be wrought, screw pipe, for which they bid.....$40,438.15

They also offered to supply the material, the pipe to be of steel casing, for .....$26,400.67

This latter bid was irregular, in that that type of pipe was not called for.

Crane Co., of Sacramento offered bids on certain fittings and valves amounting to .....$2,104.96

but their bid was not complete.

Central Foundry Company offered bids on material, the 8" and 6" pipe being cast iron their total being $37,345.84

This bid was not complete, as they did not include any of the 2" and ¾" pipe required.

Water Works Supply Company bid on 8" and 6" cast iron pipe...$27,702.49

This bid was not complete as no figures were offered on the 2" and ¾" wrought pipe.

R. D. Wood & Co. bid on 8" and 6" cast iron pipe and fittings....$26,902.91

This bid was not complete as the 2" and ¾" pipe was not included.

These bids were the only ones received for furnishing the material on board cars at Davis.

**Heading "D:"**

On the wooden water tank, bids were called for a 60,000 gallon tank and also for a 100,000 gallon tank as an alternative. The foundations for these tanks were to be built under Heading "B." The following bids were received:

| | 60,000 gal. | 100,000 gal. |
|---|---|---|
| Pacific Tank & Pipe Co. | $1620 | $2253 |
| Davis Lumber Co. | 1685 | 2434 |
| Redwood Mfg. Co. | 1605 | 2318 |
| Schultz Construction Co. | 1626 | 2255 |

As noted hereinafter, all these bids were rejected because there is not sufficient money to build this tank.

**Heading "E:"**

Under this heading, the entire pumping plant was to be furnished, consisting of two 500 g.p.m. vertical deep well pumps and one 1,000 g.p.m. fire pump with all necessary piping. No single bid was received covering the entire equipment.

Layne & Bowler of Los Angeles offered one 8-stage vertical, motor operated, deep well pump for....$2,362 f. o. b. cars Los Angeles, and would provide an erecting engineer for $1.25 per hour.

Water Works Supply Co. bid on the following:

| | |
|---|---|
| One Venturi meter and register | $1018.75 |
| Two deep well turbine pumps | 1050.00 |
| One 8" fire pump | 690.00 |

These pumps were without motors.

Owing to the fact that neither of these bids furnished a complete plant, consideration could not be given to either of them.

**Heading "F"**

On the installation of the distribution system one complete bid was received—that of Bos & O'Brien of San Francisco. They bid, for the installation with cast iron pipe ..... $29,150 and with wrought pipe ..... 27,912

As noted above, it was not possible to combine these several bids to furnish one complete plant, for the reason that under Headings "C" and "E," two of the most important parts of the system—no complete bids were received.

Now, taking up the combined bids, the following were received:

Schultz Construction Co. of San Francisco bid as follows:

Total of Headings "B," "C," "E" and "F" using cast iron pipe ..... $67,815
using wrought pipe ..... 67,163
using wood stave pipe ..... 55,918
using 6" steel casing ..... 53,208

It is to be noted that the last two bids on the wood stave pipe and the 6" steel casing were not called for in the specifications.

The second combined bid was from Cahill & Vensano Co., of San Francisco, who bid as follows:

Total of Heading "A," "B," "C," "E" and "F"—
using cast iron pipe ..... $78,500
using wrought pipe ..... 75,500
using riveted pipe, 6" and 8" .. 62,750
using wood stave pipe, 6" and 8" 65,000
Heading "D," 60,000 gal. wooden tank ..... 2,375

It is to be noted that the bids on the wood stave pipe and the riveted pipe were not called for in the specifications.

## FIRE EQUIPMENT.

HILLSBOROUGH, San Mateo Co., Cal.—Up to May 5th, 5 P. M., bids will be received by John A. Hoey, City Clerk, for furnishing and delivering 1800 feet of 2½ inch fire hose, and 400 feet of 1½ inch fire hose.

Certified check for 10% payable to Clerk required.

City Clerk Hoey maintains offices at 440 Holbrook Bldg., San Francisco.

# Official Proposals.

### NOTICE TO CONTRACTORS.

BOARD OF STATE HARBOR COMMISSIONERS, Union Depot and Ferry House, San Francisco, California, April 24, 1920.

SEALED PROPOSALS or bids will be received at this office **at or prior to 11 O'Clock A. M., on Thursday, May 6, 1920,** for furnishing materials and constructing bulkhead wharf in front of Pier 19, including the replacement of timber approach to Pier 19, on the water front of the City and County of San Francisco, in accordance with the plans and specifications prepared therefor by the Chief Engineer of the Board and adopted by the Board, and on file in this office, to which special reference is hereby made.

The materials to be used in this work shall consist of the requisite quantities of creosoted piles and Portland cement (which will be furnished to the contractor by the Board), Douglas fir lumber, sand, crushed rock and gravel, reinforcing materials, castings, structural steel, rods, bolts, spikes, car springs, etc. All materials used must be of the best of their respective kinds if not especially specified herein.

All materials used in the structures will be subjected to a rigid examination and test and if found defective, under size, unsuitable or not as specined, will be condemned and must be immediately removed from the work by the contractor at his expense.

No bid will be received unless it is made on a blank form furnished from this office and is accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within Six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the amount payable by the terms of the contract, with a corporation thereunto duly authorized by law and commonly known as a surety company, as surety (such surety company to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the office of the Secretary), and conditioned for the faithful performance by the contractor of all the terms and conditions of said contract according to the true intent and meaning thereof. Said bond shall also provide that if the contractor, person, company or corporation to whom said contract is awarded fails to pay for any materials or supplies furnished for the performance of the work contracted to be done, or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefits of material men, mechanics and laborers as provided by that certain Act of the Legislature of the State of California approved May 1, 1911 (Stats. 1911, p. 1422). Said bond must be acceptable to and approved by said Board, both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary or to the Assistant Secretary at the office of the Secretary, Room No. 17, Union Depot and Ferry House, at or prior to 11 o'clock A. M., on Thursday, May 6, 1920, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interests of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing $10.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing the bid:

"Bid for furnishing materials and constructing bulkhead wharf in front of Pier 19."

J. H. McCALLUM,
H. H. COSGRIFF,
F. S. MOODY,
Board of State Harbor Commissioners.
FRANK G. WHITE,
Chief Engineer.
HILDA GOHRMAN,
Secretary. (tf)

### BIDS WANTED FOR HOSPITAL BUILDING.

### NOTICE TO CONTRACTORS.

Office of the Clerk of the Board of Supervisors of the County of Sacramento, State of California.

Pursuant to an order of the Board of Supervisors of the County of Sacramento, made and entered on record on the 18th day of March, A. D. 1920.

Notice is hereby given that sealed bids will be received by the undersigned up to and not later than the **hour of two P. M., of the 3rd day of May, 1920,** at the office of said Board in the Court House building, 7th and I streets, Sacramento City, for the furnishing of all labor, materials and mechanical workmanship necessary for the construction of a Service and Children's Ward Building on the present County Hospital Grounds, City of Sacramento, County of Sacramento, State of California, in accordance with the plans and specifications prepared therefor by R. A. Herold, Architect, and adopted by the Board of Supervisors of the County of Sacramento, which plans and specifications may be seen and examined, during office hours, by intending bidders, at the architect's office, rooms 430-37 Forum Building, Sacramento, California.

All bids must be submitted on blank forms furnished by the Clerk of the Board, and must be accompanied with a certified check on some solvent bank, in a sum equal to ten per cent (10%) of the amount of each bid, conditioned that if the contract is awarded the party submitting the accepted bid will enter into contract and furnish such bond as may be required within ten days after making award, or, failing so to do, the amount of such check to be forfeited as liquidated damages for such failure. All checks to be made payable to the order of the Chairman of the Board of Supervisors of Sacramento County.

The Board reserves the right to reject any or all bids.

By order of the Board of Supervisors of Sacramento County, California.

Attest (Seal) HARRY W. HALL,
County Clerk and ex-officio Clerk of the Board of Supervisors of Sacramento County, California.

By F. M. Lampert, Deputy Clerk.
Dated, April 6th, 1920.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by undersigned until **2 o'clock P. M., May 3, 1920,** for constructing a portion of the State Highway System of Nevada from Washoe Summit to one mile south of Huffakers, Washoe County, 8.25 miles. Work consists of 4400 cu. yds. excavation unclassified, 72,618 sq. yds. cement concrete paving, 6 inches thick. Corrugated metal pipes and concrete headwalls.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the County Clerk's office in Reno. Cash deposit of $15.00 with undersigned required for copy of plans, which will be refunded on their return in good condition. Bids MUST be on proposal form of Highway Department and accompanied by a certified check in an amount of 5% of the bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### BIDS WANTED FOR U. S. HOSPITAL.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be opened at the Office of the Commanding Officer, Benicia Arsenal, Cal., at **11:00 A. M., May 15, 1920,** for the construction of a Hospital Building (Eight bed Infirmary) one-story, of hollow tile construction.

Drawings and specifications may be obtained from this office in the discretion of the Commanding Officer.

E. P. O'HERN,
Colonel, Ord. Dept., U. S. A., Commanding.

### BIDS WANTED FOR KITCHEN EQUIPMENT.

Your attention is invited to the fact that proposals will be opened in the near future on drawings and specifications No. 4097, covering Kitchen Equipment for six Barracks Buildings, Marine Corps Base, San Diego, California.

The drawings and specifications may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, 12th Naval District, Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The six kitchens are to be provided with modern and adequate equipment, which is to be properly installed and connected to steam, gas, vent, water, waste and drip services.

The estimated cost is $22,000.00.

Yours truly,
R. L. MORTON,
Lieutenant Commander (CEC), U. S. N. By direction of the Public Works Officer.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on May 3, 1920,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Tehama County, between Red Bluff and Northerly Boundary (II-Teh-3-C), about 12.6 miles in length to be paved with Portland cement concrete.

Placer County, between Auburn and Northerly Boundary (III-Pla-17-C) about 6.6 miles in length to be paved with Portland cement concrete.

Amador County, between Ione and Jackson (III-Ama-34-B), about 10.7 miles in length to be graded.

Imperial County, between Tule Wash and Gravel Wash (VII-Imp-26-D) about 6.5 miles in length to be paved with Portland cement concrete.

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento San Francisco, San Luis Obispo, Fresno and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interest of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated: April 5, 1920.

### NOTICE TO CONTRACTORS.

Attention is invited to the fact that proposals will be opened in the near future for the following work:

Drawings and specification No. 4114, covering Laundry, Bakery, and Refrigerating Plant, Industrial Building, Marine Barracks, Naval Base, San Diego, California.

The drawings and specification may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., to the Commandant, Twelfth Naval District, No. 417 Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. Navy, Timken Building, San Diego, California, by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The laundry equipment will consist of motor driven washers, extractors and tumblers, dry rooms, and electrically operated ironers and shapers and other accessories pertaining to a modern laundry. The Government will furnish some of this equipment, which will be installed by the contractor. The bakery equipment will consist of electric ovens, motor driven dough and cake mixers, dough molder, proofer divider, rounder, and other accessories necessary to equip an efficient bakery. The ice making and refrigerating plant will consist of duplicate, motor driven compressors, brine circulating pumps, an ammonia condenser, brine cooler, freezing tank, and other apparatus pertaining to a raw-water ice making plant, together with refrigerating equipment for the storage rooms. Included also as a part of the refrigerating equipment will be the meat tracks and hangers, and the insulation of the storage rooms. Connections are to be made to the electric, steam, return, waste, and water services.

The estimated cost is $55,000.00.

LEONARD M. COX,
Commander, C. E. C., U. S. Navy, Public Works Officer. (tf)

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned **until 2 o'clock P. M., April 19, 1920,** for the erection of two Pratt truss highway spans with timber trestle approach and control wier complete over the Virgin River near Bunkerville in Clark County, Nevada.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the county clerk's office in Las Vegas. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN that the Board of Capitol Commissioners, Carson City, Nevada, will receive bids for the following items in the construction for a "Heroes Memorial" Building at Carson City, Nevada, according to official plans and specifications on file with said Commission and the State Architect's Office, Reno, Nevada, viz:

1. General construction.
2. Plumbing and Heating.
3. Oil equipment.

The Drawings and specifications may be secured at the office of F. J. DeLongchamps, State Architect, 334 Gazette Building, Reno, Nevada.

A deposit of $10.00 will be required for each set of drawings and specifications taken from the Architect's office.

Bids will be received at the office of the Secretary of Board of Capitol Commissioners, Carson City, Nevada, not later than **10 A. M., on May 2, 1920.**

All bids shall be sealed in opaque envelope and addressed to Board of Capitol Commissioners, Carson City, Nevada, and marked "Bids for Heroes Memorial Building." Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the amount of the bid.

The Board of Capitol Commissioners reserves the right to accept or reject any or all bids.

Authorized this 19th day of April 1920 by the Board of Capitol Commissioners, Carson City, Nevada.

HOMER MOONEY,
Clerk Board Capitol Commissioners.

### BIDS WANTED FOR HOT WATER HEATING SYSTEM.

SEALED PROPOSALS will be opened in the Office of the Commanding Officer, Benicia Arsenal, Cal., **at 11:00 A. M., April 26th, 1920,** for the installation of hot water heating systems in Quarters Nos. 25, 26 and 27, Benicia Arsenal.

Drawings and specifications may be obtained from this office at the discretion of the Commanding Officer.

E. P. O'HERN,
Colonel, Ord. Dept., U. S. A., Commanding.

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN, that bids for work, material and for the complete construction of a two-story brick building with an alternate bid for concrete walls, and for the removal of the present frame buildings known as the Domestic Science and the Manual Arts building from block 342 (the present site of Alhambra Union High School) in the town of Martinez, County of Contra Costa, State of California, to the new site of the proposed High School building in blocks 100, 101, 104, 105, 158 and 159 of the Original Survey of the town of Martinez will be received and publicly opened by the Trustees of the Alhambra Union High School District in Contra Costa County at the office of the principal of said school at the main high school building in the town of Martinez, County of Contra Costa, **between 10 o'clock A. M. and 10:30 o'clock A. M. of Friday, May 21, 1920.** A separate bid to be submitted for the installation in the above referred to buildings of program clocks, fire alarm and an intercommunicating telephone system. A separate bid to be submitted for the installation in said buildings of complete system of electric wiring; separate bid to be submitted for the installation in said buildings of electric lighting fixtures; a separate bid to be submitted for the installation in said buildings of complete system of plumbing, gas piping and sewering. All bids to be in accordance with plans and specifications now on file in the office of J. E. Rodgers, Byron Brown Building, Martinez, California. Copies of plans and specifications may be had at the office of A. A. Cantin, Architect, 68 Post St., San Francisco, or Gazette Building, Martinez, California.

A deposit of $50.00 will be required as a guarantee of the return to the Board of Trustees of said High School of the plans and specifications taken for bidding or other purposes and will be refunded to the Contractor when the plans and specifications are returned in good condition. No bids will be received after the closing hour specified in this advertisement.

Accompanying each proposal shall be a statement stating the maximum number of working days the bidder will agree to fully complete the work of this contract in.

Time is of the essence of a contract that may be awarded under this notice and the least maximum time required to complete the work by the bidder will be considered by the Board in awarding the contract.

In awarding the contract, bidders will understand that it will be necessary to file two bonds with the contract, one to be the extent of 50% of the amount of the contract for faithful performance of the work and the other for 50% of the amount of the contract known as a lien bond to secure the payment of labor and material. The form of all bonds shall comply with all laws covering the same and will be subject to the approval of the District Attorney of Contra Costa County.

Proposals shall be delivered to A. E. Dunkel, President of the Board of Trustees of Alhambra Union High School District, at the office of the principal of said school in said high school building between the hours hereinbefore stated. Said bids shall be enclosed in a sealed envelope addressed to the Board of Trustees of Alhambra Union High School District, Contra Costa County, California.

A certified check of 5% of the amount of the proposal payable to Alhambra Union High School District, California, must accompany each proposal.

Should the successful bidder fail to obtain a bond and sign a contract for the amount of his proposal, upon the contract being awarded to him, under this notice, his check will be forfeited to said district.

All checks will be returned to the unsuccessful bidders upon application at the office of the Clerk of the Board after the contract has been signed and bond furnished by the Contractor whose bid has been accepted.

The competency and responsibility of bidders will be considered in making any award under this contract.

The Board of Trustees reserves the right to reject any or all bids or any part of any bid.

Dated April 17, 1920.

A. E. DUNKEL,
President of the Board of Trustees of Alhambra Union High School District.

J. E. RODGERS,
Clerk of the Board of Trustees of Alhambra Union High School District.

### TO VOTE BONDS FOR CITY AND COUNTY BUILDING.

PHOENIX, Ariz.—At a meeting of citizens a bond issue of $1,500,000 by Maricopa County and $700,000 by the City of Phoenix was recommended for the erection of a joint county and city building. Architects Lescher & Kibbey have prepared preliminary plans for the building showing a six-story structure 230 feet square with a court. It is proposed to face the lower portion of the building with granite and the upper portion with tufa stone or terra cotta. The estimated cost of the building is $1,600,000 and cost of furnishings $400,000.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

## BUILDING CONTRACTS

### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 1023 | Richards | Hansen | 2000 |
| 1024 | Suttrell | Elvin | 4500 |
| 1025 | Commercial | Walker | 1500000 |
| 1026 | Harris | —— | 4000 |
| 1027 | O'Brien | Owner | 15000 |
| 1028 | Giberson | Redall | 8089 |
| 1029 | Sandberg | Owner | 4600 |
| 1030 | Lewis | Cohen | 3825 |
| 1031 | Lewis | Mulcahy | 2800 |
| 1032 | Bertz | Martin | 11274 |
| 1033 | Bertz | McLeod | 1660 |
| 1034 | Humphrey | Owner | 25000 |
| 1035 | Allred | Owner | 5000 |
| 1036 | Cameron | Owner | 15000 |
| 1037 | St. Francis | Morton | 9500 |
| 1038 | Nat'l. Radio | Ruegg | 40000 |
| 1039 | Macowsky | Spargo | 15000 |
| 1040 | Peters | Schaible | 500 |
| 1041 | O'Brien | Kiernan | 15000 |
| 1042 | Walter | Fennell | 4270 |
| 1043 | Palmolive | Jensen | 2700 |
| 1044 | Bullette | Thunberg | 500 |
| 1045 | Moore | McMullin | 500 |
| 1046 | Weissbein | Cress | 4500 |
| 1047 | Mollett | Davis | 1000 |
| 1048 | Horstman | Lorenz | 900 |
| 1049 | Hall | Hall | 3000 |
| 1050 | Nelson | Nelson | 6000 |
| 1051 | Same | Same | 12000 |
| 1052 | Sanders | Owner | 1800 |
| 1053 | Towa | Taylor | 8500 |
| 1054 | Peoples | Hardy | 2700 |
| 1055 | Hildebrand | Owner | 4000 |
| 1056 | Mooy | Wise | 500 |
| 1057 | Lindy | Nelson | 8480 |
| 1058 | O'Connor | Johnson | 3998 |
| 1059 | Lyttle | Owner | 4000 |
| 1060 | Bourdelli | Palmer | 4000 |
| 1061 | Famous Plyrs | Various | 1000000 |
| 1062 | S P Co | Lange | 4500 |
| 1063 | Goldberg | Goldberg | 1260 |
| 1064 | Kirby | Owner | 3000 |
| 1065 | Barrett | Owner | 3000 |
| 1066 | Burrett | Klyce | 6500 |
| 1067 | Hary | Casty | 950 |
| 1068 | Peabody | Western Pipe | 6447 |
| 1069 | Bandy | Cameron | 4000 |
| 1070 | Hee | —— | 29000 |
| 1071 | Schlessinger | Montgomery | 750 |
| 1072 | Warmbolt | Muller | 500 |
| 1073 | Associated Oil | Vogt | 7370 |
| 1074 | Moore | Segurson | 2000 |
| 1075 | Lewis | Owner | 9000 |
| 1076 | Sheehy | McDonough | 3547 |
| 1077 | Macdonough | Barrett | 20000 |
| 1078 | Renstrom | Nelson | 900 |
| 1079 | Johnson | Owner | 18200 |
| 1080 | Levy's | Braas | 8478 |
| 1081 | Taussig | Mission | 37730 |
| 1082 | Curtaz | Owner | 48000 |
| 1083 | Pincus | Gardiner | 2156 |
| 1084 | Macdonald | Lewis | 9000 |
| 1085 | Kelleher | Matthies | 799 |
| 1086 | Mathes | Matthies | 995 |

### PERMITS.

ADDITION
(1023) NO. 2030 SIXTEENTH AVE. Add sun and sleeping porch to residence.
Owner—Felix Richards, 2030 16th Ave., San Francisco.
Architect—None
Contractor—L. H. Hansen, San Francisco.
COST, $2000

ALTERATIONS
(1024) NO. 2617 SACRAMENTO. Alterations to attic story of residence.
Owner—Dr. P. H. Suttrell, 2617 Sacramento St., San Francisco.
Architect—Bernard J. Joseph, New Call Bldg., San Francisco.
Contractor—Arthur Elvin, 2965 Howard St., San Francisco.
COST, $4,500

OFFICE BUILDING
(1025) NW MONTGOMERY & PINE. Fifteen-story and basement Class "A" office building.
Owner—Commercial Union Assurance Co., Ltd., and the California Insurance Co., 558 Sacramento St., San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—P. J. Walker, Monadnock Bldg., San Francisco.
COST, $1,500,000

ADDITION
(1026) NO. 440 BELVEDERE. Addition of one story to dwelling, alter basement for garage.
Owner—Frank H. Harris, 440 Belvedere, San Francisco.
Architect—None.
COST, $4,000

AUTO BUILDING
(1027) NW CEDAR AND POLK. Two-story reinforced concrete auto accessory building.
Owner—O'Brien-Kiernan Realty Co., 320 Sharon Bldg., San Francisco.
Architect—Arthur S. Bugbee, 320 Sharon Bldg., San Francisco.
COST, $15,000

FLATS
(1028) S CHESTNUT 137-6 E Buchanan. Two-story and basement frame (2) flats.
Owner—Clara Abbott Giberson, 1902 Union St., San Francisco.
Designer and Builder—W. W. Redall, 2500 Filbert, San Francisco.
COST, $8,080

STORE AND REPAIR SHOP
(1029) N GEARY 107-6 W 11th Ave. One-story brick auto accessory store and repair shop.
Owner—Sandberg & Essmann, 501 4th St., San Francisco.
Architect—None.
COST, $4,600

### RECORDED

BRICK BUILDING
(1030) N EDDY 112-6 E Polk E 25xN 120 W A 8. All work except brick work and window shades for one-story brick building.
Owner—Edward J. Lewis, 306 Sacramento St., San Francisco.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Contractor—Robert Cohen, 1210 Divisadero St., San Francisco.
Filed Apr. 19, '20. Dater Apr. 17, '20.
Roof completed .....$956.25
Plaster completed ..... 956.25
Completed and accepted..... 956.25
Usual 35 days..... 956.25
TOTAL COST, $3825.00
Bond, $1915. Surety, Massachusetts Bonding & Insurance Co., Limit, 60 days. Forfeit, $15. Plans and specifications filed.
NOTE:—Permit reported April 19, 1920, No. 1017.

(1031) BRICK WORK, TILE AND cast cement inserts, iron girders and lintels on above.
Contractor—Thos. F. Mulachy, 180 Jessie St., San Francisco.
Filed Apr. 19, '20. Dated Apr. 17, '20.
Brick work ready for ceiling joists .....$2000
Brick work completed..... 850
Usual 35 days..... 950
TOTAL COST, $3800
Bond, $1950. Surety, American Indemnity Co. Limit, 20 days. Forfeit, $10. Plans and specifications filed.
NOTE—Permit reported Apr. 19, 1920, No. 1017.

RESIDENCE
(1032) N FILBERT 80 W Divisadero W 28xN 137-6. All work except plumbing for three-story and basement frame residence.
Owner—George Habenicht, 130 Geary St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—William Martin, 110 Jessie St., San Francisco
Filed Apr. 19, '20. Dated **Apr. 19 '19.**
Frame up .....$3568.50
Brown coated ..... 3568.50
Completed ..... 3568.50
Usual 35 days..... 3568.50
TOTAL COST, $14,274.00
Bond, $7137. Sureties, Edwin T. Peterson and Fred Walpert. Limit, 90 days. Forfeit, $5. Plans and specifications filed.
NOTE:—Permit also applied for today.

(1033) PLUMBING ON ABOVE.
Contractor—J. J. McLeod, 1246 Golden Gate Ave., San Francisco.
Filed April 19, '20. Dated April 14, '20.
Roughing in done .....$830
Completed and accepted ..... 415
Usual 35 days ..... 415
TOTAL COST, $1660
Bond, $830. Sureties, A. D. Collman and Jas. H. Pinkerton. Forfeit, $5.00. Limit, 90 days. Plans and specifications filed.

### PERMITS

PARCEL DELIVERY BLDG.
(1034) S EDDY 123-6 W Polk. One-story and basement concrete parcel delivery quarters.
Owner—Humphrey Estate, Inc., 425 Kearny St., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
COST, $25,000

ALTERATIONS
(1035) W FIFTH 30 N Harrison. Remodel 14 flats into 12 apartments; 6 3-room and bath; and 6 4-room and bath apartments.
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.
Architect—None.
Day's work. COST, $5000

LOFTS
(1036) N SACRAMENTO 90-2 W Montgomery. Two-story concrete lofts.
Owner—Cameron & Disston, Hearst Bldg., San Francisco.
Architect—Fred H. Meyer, 742 Market St., San Francisco.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.
COST, $15,000

FRAME DWELLING
(1037) E SAN BENITO WAY 68 S San Anselmo. Two-story and basement frame dwelling.
Owner—St. Francis Home Bldg. Co., 278 Post St., San Francisco.
Architect—Henry H. Gutterson, 278 Post St., San Francisco
Contractor—John Morton, 180 Jessie St., San Francisco.
COST, $9500

FACTORY
(1038) N TWENTIETH from Folsom to Shotwell. One-story brick factory.
Owner—National Radio Co., 156 Second St., San Francisco.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Contractor—Ruegg Bros., Pacific Bldg., San Francisco.
COST, $40,000

AUTO SALESROOM
(1039) E VAN NESS AVE. 67-6 N Eddy. One-story and basement reinforced concrete auto salesroom.
Owner—Jacob Macowsky, care architect.
Architect—August G. Headman, 747 New Call Bldg., San Francisco.
Contractor—John Spargo, 240 Montgomery St., San Francisco.
COST, $15,000

ALTERATIONS
(1042) NO. 2231 CLAY. All work for alterations to residence.
Owner—Mr. and Mrs. Jno I. Walter, Premises.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.
Filed Apr. 20, '20. Dated Apr. 19, '20.
TOTAL COST, $4270
Bond, $2135. Surety, American Surety Co. Limit, forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today.

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ADDITION
(1041) NO. 244 GRATTON ST. Add 1 room to residence, T. & G. roof, concrete foundation, floor, etc.
Owner—D. J. Peters, 215 Gratton St., San Francisco.
Architect—None.
Contractor—B. M. Schaible, 1452 Haight St., San Francisco.
COST, $500

**RECORDED**

STORE AND OFFICE BLDG.
(1041) NW POLK AND CEDAR AVE., 40 on Polk and 55 on Cedar Ave. All work for two-story reinforced concrete; Class "C" store and office building.
Owner—O'Brien Kiernan Realty Co., 320 Sharon Bldg., San Francisco.
Architect—Arthur S. Bugbee, 320 Sharon Bldg., San Francisco.
Contractor—Kiernan & O'Brien, 1758 Mission St., San Francisco.
Filed Apr. 20, '20. Dated Apr. 20 '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $15,000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Apr. 20, 1920 No. 1027.

**PERMITS**

ALTERATIONS
(1043) NO. 423-433 BRANNAN. Erect T. & G. partitions for offices in warehouse.
Owner—The Palmolive Co., 6117 Palace Hotel, San Francisco.
Architect—None.
Contractor—James Jensen, 550 Valencia St., San Francisco.
COST, $2700

GARAGE
(1044) NO. 4355 CALIFORNIA. One-story frame private garage.
Owner—A. A. Bullette, Premises.
Architect—None.
Contractor—Gus Thunberg.
COST, $500

GARAGE
(1045) NO. 2040 BROADWAY. One-story frame garage.
Owner—Geo. A. Moore, 212 California St., San Francisco.
Architect—None.
Contractor—C. E. McMullin, 1711 Lake St., San Francisco.
COST, $500

ALTERATIONS
(1046) N GEARY 100 W Sixth Ave. Alter front; erect T. & G. partitions; plumbing and concrete driveway.
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Frank H. Cress, 180 Jessie St., San Francisco.
COST, $4500

ALTERATIONS
(1047) NO. 1353-55 HARRISON ST. Alterations and general changes for flats.
Owner—F. Mollett, 245 17th Ave., San Francisco.
Designer—W. B. Davis.
Contractor—W. B. Davis, 5503 California St., San Francisco.
COST, $1000

ALTERATIONS
(1048) NO. 959 LARKIN. Alter store front; tile flooring; plate glass work, etc.
Owner—W. Horstmann Co., 4th Floor, 114 Sansome St., San Francisco.
Architect—F. A. Lorenz, 473 Jessie St., San Francisco.
Contractor—F. A. Lorenz, 473 Jessie St., San Francisco.
COST, $900

DWELLING
(1049) W MIRAMAR AVE 291 N Westwood. One-story and basement frame dwelling.
Owner—C. A. Hall, 1301 4th Ave., San Francisco.
Architect—None.
Day's work. COST, $3000

DWELLING
(1050) E PLYMOUTH AVE 366 N Montecito. One-story and basement frame dwelling.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. Strothoff, 2276 15th St., San Francisco.
Day's work. COST, $6000

DWELLINGS
(1051) E PLYMOUTH AVE 182 and 262 N Montecito. Two two-story and basement frame dwellings.
Owner—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Architect—Chas. Strothoff, 2276 15th St., San Francisco.
Day's work. COST, $6000 each

ALTERATION
(1052) NO. 811-15 SCOTT. Change two two-story frame flats into four flats of four rooms and bath each.
Owner—Thomas Sanders, 815 Scott St., San Francisco.
Architect—O. E. Evans, 2569 Mission St., San Francisco.
COST, $1800

ALTERATION
(1053) SE STOCKTON AND MANILA streets. Install dumb waiter, re-arrange partitions, stairs, etc., for club rooms.
Owner—Town and Country Club, 218 Stockton, San Francisco.
Architect—Howard & White, Lick Bldg., San Francisco.
Contractor—Taylor & Goericke, Sharon Bldg., San Francisco.
COST, $8,500

ALTERATIONS
(1054) NO. 3778 TWENTY-FOURTH St. General alterations for milk room in dairy, underpinning, etc.
Owner—Peoples Dairy Co., 1378 24th St., San Francisco.
Architect—None.
Contractor—A. M. Hardy, 212 8th Ave., San Francisco.
COST, $2,700

RESIDENCE
(1055) W TWENTY-FIFTH AVE., 100 N Anza. One-story and basement frame residence.
Owner—E. H. Hildebrand, 68 Post St., San Francisco.
Architect—None.
COST, $4,000

ALTERATION
(1056) NO. 1201 WILLARD ST. Alter for basement garage, cement work, doors, etc.
Owner—A. Mooy, Premises.
Architect—None.
Contractor—L. N. Wise, 1274 Waller, San Francisco.
COST, $500

(1057) E WESTWOOD DRIVE 165 N Wildwood. One-story and basement frame dwelling.
Owner—Edith H. Lindy.
Architect—Chas. Strothoff, 2276 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
COST, $8,480

**RECORDED.**

BRICK WORK
(1058) W HOWARD 204-8½ S 12th. Brick work for building.
Owner—Michael O'Connor, 1885 Golden Gate Ave., San Francisco.
Architect—None.
Contractor—J. M. Johnson.
Filed April 21, '20: Dated April 20, '20
Brick work done to top of first story .....$1999
Completed and accepted ..... 1999
TOTAL COST, $3998
Bond, Sureties, Forfeit, none. Limit, 10 days after May 1. No plans or specifications filed.

**PERMITS.**

DWELLING
(1059) NO. 1106 GENEVA AVE. Two-story and basement frame dwelling.
Owner—Frank J. Lyttle, 784 Vienna St., San Francisco.
Architect—None.
COST, $4000

ALTERATIONS
(1060) NW MISSION AND SECOND Sts. Alterations to store front.
Owner—John H. Bourdelli, Crocker Bldg., San Francisco.
Architect—None.
Contractor—Palmer & Peterson, Monadnock Bldg., San Francisco.
COST, $4000

THEATRE
(1061) MARKET, JONES & GOLDEN Gate Ave. Class "A" theatre building (seating 2,800).
Owner—Famous Players—Lasky Corporation of California, Pacific Bldg., San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
COST, $1,000,000

STORE HOUSE
(1062) NW MARIPOSA AND INDIANA One-story frame store house.
Owner—Southern Pacific Co., S. P. Bldg., San Francisco.
Designer—Lange & Bergstrom.
Contractor—Lange & Bergstrom, 297 Sharon Bldg., San Francisco.
COST, $1500

ADDITION
(1063) SE SEVENTH AND FOLSOM Frame and galvanized iron addition for storage building.
Owner—Garrett M. Goldberg & Co., 7th and Folsom St., San Francisco.
Architect—H. C. Baumann, 251 Kearny st., San Francisco.
Contractor—W. S. Goldberg, 320 Market St., San Francisco.
COST, $1260

FRAME DWELLING
(1064) E TWENTY-SEVENTH AVE 100 N Anza. One-story and basement frame dwelling.
Owner—J. C. Kirby, 2181 Grove St., San Francisco.
Architect—None.
Day's work. COST, $2000

DWELLING
(1065) E TWENTY-SEVENTH AVE. 75 N Anza. One-story and basement frame dwelling.
Owner—Joe Barrett, 2181 Grove St., San Francisco.
Architect—None.
COST, $3,000

ADD AND ALTER.
(1066) NO. 150 THIRTY-SECOND AV. Additions and alterations to residence.
Owner—C. W. Burkett, 150 32nd Ave., San Francisco.
Architect—A. A. Cantin, 68 Post, San Francisco.
Contractor—H. A. Klyce, New Call Bldg., San Francisco.
COST, $6,500

ALTER AND ADD
(1067) NO. 231 PRECITA AVE. Alterations and additions for two flats.
Owner—Mrs. T. Hary, Premises.
Architect—None.
Contractor—John Casty, 258 London St., San Francisco.
COST, $950

RECORDED.

TANKS
(1068) COM. 306-2 S 18LAIS and 590 E Third S 100xE 50. All work for two vegetable oil storage tanks.
Owner—Henry W. Peabody & Co., 64 Pine St., San Francisco.
Engineer—C. A. Watts, 24 California St., San Francisco.
Contractor—Western Pipe & Steel Co., 444 Market St., San Francisco.
Filed Apr. 22, '20. Dated Apr. 14, '20.
When all materials are on ground, 50% of contract price
5 days after completion..... 25%
Usual 35 days.....Balance
TOTAL COST $6447
Bond, limit, forfeit, none. Plans and specifications filed.

PERMITS.

EXCHANGE STATION
(1069) NW FELL AND BRODERICK. One-story frame battery exchange station.
Owner—Emma E. Bandy, 310 Sansome St., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.
COST, $4,000

ADDITION
(1070) NO. 747 GRANT AVE. One additional story and alterations to present structure for club and lodging house.
Owner—See To Tuck Yow and Sam Hee, 667 Jackkson, San Francisco.
Architect—J. Eugene Freeman, Kohl Bldg., San Francisco.
COST, $29,000

GARAGE
(1071) N GREEN 84-6 W Polk. One-story frame private garage.
Owner—Chas. Schlessinger, 2164 Polk St., San Francisco.
Architect—None.
Contractor—E. J. Montgomery, 1320 Broadway, San Francisco.
COST, $750

ALTERATION
(1072) NO. 815 GROVE. Alter basement for private garage, concrete flooring, etc.
Owner—Mr. Warmbolt, 815 Grove, San Francisco.
Architect—None.
Contractor—W. F. Muller, 3118 22nd St., San Francisco.
COST, $500

ADDITION
(1073) S ILLINOIS 155 N 16th. Reinforced concrete addition for gasoline gauge tanks with steel and sheet metal roof, etc.
Owner—Associated Oil Co., Sharon Bldg., San Francisco.
Architect—None.
Contractor—A. H. Vogt, 185 Stevenson St., San Francisco.
COST, $7,370

(1074) NO. 18 PIERCE ST. Alterations and interior changes for (2) flats.
Owner—Cora W. Moore, Premises.
Architect—None.
Contractor—Wm. R. Segurson 628 Walker St., San Francisco.
COST, $200

DWELLING
(1075) S SOTELO 100 W Scpoz. Two-story and basement frame dwelling.
Owner—H. C. Lewis, 68 Post St., San Francisco.
Architect—Kenneth MacDonald Jr., 234 Pine St., San Francisco.
COST, $9,000
Day's work.

ADDITION
(1076) NE WINFIELD AND CORTland. Addition of 5 rooms, alter flat into residence.
Owner—Minnie Sheehy, 141 Cortland Ave., San Francisco.
Architect—None.
Contractor—McDonough & Costello, 90 St. Mary's Ave., San Francisco.
COST, $3547

SERVICE BUILDING
(1077) NE BUSH AND ST. ANNE. One-story Class "C" brick battery service building.
Owner—Macdonough Estate Co., Care Baldwin & Howell, 218 Kearny St., San Francisco.
Architect—Smith O'Brien, 742 Market St., San Francisco
Contractor—Barrett & Hilp, Sharon Bldg, San Francisco
COST, $20,000

ALTERATIONS
(1078)SW GOLDEN GATE AND VAN Ness Aves. New store front and tile floor for automobile sales room.
Owner—Frank C. Renstrom Co., Prem.
Architect—None.
Contractor—Emil Nelson, 39 Delmar St., San Francisco.
COST, $900

DWELLINGS
(1079) W TWENTY-SEVENTH AVE 25, 50, 75 and 100 S Anza. Four one-story and basement frame dwelling.
Owner—J. Harold Johnson, 771 28th Ave., San Francisco.
Architect—None.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.
COST, $4800 each

RECORDED

OFFICE PARTITIONS, ETC.
(1080) NO. 205 CALIFORNIA. Office partitions, cases, fixtures, etc., for building.
Owner—M. Levy's Sons.
Engineer—Maurice C. Couchot, 110 Sutter St. San Francisco.
Contractor—Braas & Kuhn Co. 1916 Bryant St., San Francisco
Filed Apr. 23, '20. Dated Apr. 21, '20.
Completed and accepted.....$8478
TOTAL COST, $8478
Bond, none. Limit, 40 days. Forfeit, $15 Plans and specifications filed.

GARAGE
(1081) NE SIXTEENTH AND ALBION Ave 102-2 on 16th St. and 100 on Albion Ave. All work for two story reinforced concrete garage building.
Owner—Rudolph J. Taussig, 1521 Van Ness Ave., San Francisco.
Architect—Jos. L. Stewart, Claus Spreckels Bldg., San Francisco.
Contractor—The Mission Concrete Co., Inc., 407 New Call Bldg., San Francisco.
Filed Apr. 23, '20. Dated Apr. 21, '20.
2nd floor poured.....$9432.50
Trusses placed and fire wall poured ..... 9432.50
Completed and accepted..... 9432.50
Usual 35 days..... 9432.50
TOTAL COST, $37,730.00
Bond, $18,865. Surety, Fidelity & Deposit Co. of Maryland. Limit, 4½ months. Forfeit, none. Plans and specifications filed.

PERMITS

STORES
(1082) N ELLIS 84 W Polk. Two-story reinforced concrete stores.
Owner—O. H. Curtaz, 519 Hayes St., San Francisco.
Plans by Owner.
Day's work.
COST, $48,000

RECORDED

PAINTING
(1083) E OF FRANKLIN COR. Olive Ave S of O'Farrell. All work for painting four-story and basement brick building (23 apartments).
Owner—Ralph Pincus, 77 O'Farrell St., San Francisco.
Architect—Wm. Beasley, 77 O'Farrell St., San Francisco.
Contractor—R. P. M. Gardiner, 1015 Post St., San Francisco.
Filed Apr. 24, '20. Dated Apr. 19, '20.
All primed .....$500
2nd coated ..... 500
Finished ..... 613
Usual 35 days..... 537
TOTAL COST, $2150
Bond, none. Limit, as required. Forfeit, plans and specifications, none.

FRAME RESIDENCE
(1084) REAR HALVES OF LOTS 1 & 2 Blk 23, Forest Hill. All work for frame residence.
Owner—Kenneth Macdonald Jr., 234 Pine St., San Francisco.
Plans by Owner.
Contractor—H. C. Lewis, 68 Post St., San Francisco.
Filed Apr. 24, '20. Dated Apr. 21, '20.
As work progresses..... 75%
TOTAL COST, $9000
Bond, $4500. Sureties, Meyer Friedman and E. H. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

MOVING, ETC.
(1085) SE SAN JOSE AVE 241.44 SW Ottawa No. 2557 San Jose Ave. All work for moving, foundation, underpinning, enclosure, steps., etc., for a two-story frame residence.
Owner—Cornelius J. Kellcher, Prem.
Architect—Lewis M. Gardner, 942 Phelan Bldg., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed Apr. 24, '20. Dated Apr. 21, '20.
Building moved, foundation in, underpinning in place and enclosed .....$399
Completed and accepted..... 400
TOTAL COST, $799
Bond, none. Limit, 40 days after notification to start work. Forfeit, none. Plans and specifications filed.

MOVING, FOUNDATIONS, ETC.
(1086) SE SAN JOSE AVE 26.52 NE Foote; No. 2563 San Jose Ave. All work for moving, foundations, underpinning, steps, etc., for residence.
Owner—Lena Schaack Mathes, Prem.
Architect—None.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed Apr. 24, '20. Dated Apr. 21, '20.
Building moved and enclosed....$497
Completed and accepted..... 498
TOTAL COST, $995
Bond, $498. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.

## RELEASE OF BUILDING CONTRACT.

### San Francisco County.

April 24, 1920—BLOCK BOUNDED BY Bosworth, Milton and Rousseau Sts., by the Southern Pacific tracks. W. S. Ray Mfg. Co. with P. Hurley.

## ARCHITECT'S CERTIFICATE FILED.

A certificate of authority to practice architecture was filed yesterday by Fred H. Meyer with Edmond Godchaux, County Recorder.

## LEASES.

### San Francisco County.

Apr. 21, 1920—N HAIGHT; No. 1754 Haight. Louis H Brownstone to M Livshitz and M Bleivas. 5 years. $75 per month.
Apr. 21, 1920—NO. 2175 MISSION Bet. 17th and 18th Sts. Harry Levinson to Charlotte Schulz. 60 months..$9000
April 21, 1920—NE TWENTY-NINTH and Tiffany Ave. Mary Cody et al to G. H. Johnson; 20 years; $142,500.
April 23, 1920—NO. 743 POLK SW Polk and Ellis. Teresa Bell to Della Prime; 5 years; $600 per month.
Apr. 20, 1920—NO. 31 FIFTH ST. Lincoln Realty Co to Spiros Maniatos and Floyd Hanchett. 5 years. $9600.
Apr. 20, 1920—NO. 696 BUSH ST. Apt. No. 105. W R Voories and Irwin Newman to Mrs. S Thompson. 1 year. $70 per month.
Apr. 19, 1920—LOT 26 BLK 2, Fairs Sbdvn Holly Park Tract. Ray M Geens to Joseph R and Nettie I Vessels. 150 months. $90 per month.
Apr. 19, 1920—S FILBERT; No. 2319 Filbert. J D Vrown to F A Gawthorne. 6 months. $40 per month.
April 19, 1920—NO. 3290 AND 3288 Mission. Henry C. Brunkhorst to A. N. Jovanes; 5 years, $80 per month.

## NOTICE OF NON-RESPONSIBILITY.

### San Francisco County.

Apr. 21, 1920—S FIFTH & STEVENSON SW 125 SE 75 NE 50 NW 50 NE 75 NW 25. Geo Haas Realty Co as

to improvements on leased property .....

April 23, 1920—SE SAN JOSE AVE. 125 NE Lawrence Ave. Elinor E. Jenkins to whom it may concern.

April 19, 1920—W GUERRERO 151-6 S 28th S 25xW 100. Elizabeth McFadden as to improvements on leased property.

Apr. 19, 1920—NW PINE AND DIvisadero N 82-6xW 110. James Conlin Co., Corpn. as to improvements on leased property.....

## COMPLETION NOTICES

### San Francisco County

April 15, 1920—NE BALBOA AND 32nd Ave. E 126xN 75. Geo. A. Bertram to Theodore G. and Rollin E. Meyer.....April 15, 1920

April 15, 1920—W CONCORD 180 N Morse N 30xW 90. Patrick Horgan to whom it may concern.....April 15, 1920

Apr. 16, 1920—N CLEMENTINA 191 E Second E 59xN 80. Mark-Lally Co to J S Malloch.....April 14, 1920

Apr. 16, 1920—E FILLMORE 110 N Eddy N 27-6xE 100. Harold J Schoenfeld to Cameron & Disston.....April 14, 1920

Apr. 16, 1920—S EDDY 125 E Broderick E 25xS 137-6. Giuseppe Garbini to Adam Arras.....Apr. 14, 1920

Apr. 16, 1920—S POST 136-6 E Van Ness Ave E 27-6xS 120. Mary A Ruggles to Fred Miller...Apr. 14, 1920

Apr. 16, 1920—W NINTH AVE 200 N. Geary N 25x120. Henry Blob to whom it may concern...Apr. 15, 1920

Apr. 19, 1920—N GREEN 103-1½ W Divisadero W 34-4½xN 137-6. Al Hanify to Paul Agmar...Apr. 12, 1920

Apr. 19, 1920——LOT 46 BLK 15, Lakeview. Fabian and Guadalupe Ortiz to James Arnott & Son.....April 19, 1920

Apr. 20, 1920—S SUTTER 75 E Mason 60 ft. front and rear 137-6 deep. Wm F Dunn to Monson Bros.....April 6, 1920

Apr. 20, 1920—E FIFTEENTH AVE 35 N Anza N 54xE 72-6. Emil Nelson to whom it may concern.....April 20, 1920

Apr. 20, 1920—E THIRTY-NINTH Ave 150 N Fulton N 25xE 120. John Harder to whom it may concern.....April 15, 1920

Apr. 20, 1920—N POST 77-6 E Hyde E 30xN 137-6. Lily Hesser to John Spargo.....April 19, 1920

April 21, 1920—SW McALLISTER and Gough W 27-6xS 60. Metta Schroeder to J. M. Johnson.....Feb. 28, 1920

Apr. 23, 1920—E TWENTY-SECOND Ave 200 S Lake S 25xE 120. Marguerite Lawler Stokes to whom it may concern.....Apr. 23, 1920

## LIENS FILED.

### San Francisco County.

Apr. 14, 1920—NW KIRKHAM AND Eighth Ave W 32-6xN 100. Reinhart Lumber & Planing Mill Co vs David and Linda Herschlev, R N Gibson and Thompson Realty Co.....$774.50

Apr. 16, 1920—SE EIGHTH AVE & Kirkham 33⅓ ft. on Kirkham and 100 ft. on 8th Ave. Robert N Gibson vs Karl Osten Schauman.$3030.50

Apr. 19, 1920—W PLYMOUTH AVE 200 N Grafton Ave N 60xW 112-6; Lots 45 and 46 Blk 8, Lakeview. Hans Karl vs Nels P Johnson....$270

Apr. 20, 1920—LOT 8 BLK 1 Holly Park Tract. The Greater City Lumber Co vs Helen K Riordan and Patrick F and wife Mary E O'Toole.....$243.60

Apr. 23, 1920—W EIGTHH AVE 175 S Moraga S 25xW 120. Atlas Electric Co vs Alger Doyle and D Houle.....42.70

## ELECTRICAL BIDS WANTED.

J. M. Johnson, general contractor, 1600 California St., is taking bids for electrical work for job on McAllister and Gough. See plans on the job.

# BUILDING CONTRACTS

## Alameda County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 875 | Volck | Christofherson | 500 |
| 876 | Price | Hauri | 450 |
| 877 | Stubbs | MacGregor | 4050 |
| 878 | Rugg | Hudson | 3500 |
| 879 | Bushell | Perona | 472 |
| 880 | Drago | Perona | 1900 |
| 881 | Cox | MacGregor | 450 |
| 882 | Stebbins | Goranson | 4000 |
| 883 | Brazier | Owner | 2500 |
| 884 | MacGregor | Owner | 3750 |
| 885 | Same | Same | 11250 |
| 886 | Same | Same | 18750 |
| 887 | Gohn | Owner | 3800 |
| 888 | Anderson | Sims | 4500 |
| 889 | Same | Same | 9000 |
| 890 | Western Paper | Cords | 500 |
| 891 | Richmiller | Healy | 1400 |
| 892 | Tulerico | Owner | 500 |
| 893 | Lakeshore | Strang | 8500 |
| 894 | Hildebrand | Baker | 5000 |
| 895 | Block | Owner | 7000 |
| 896 | Steele | Burritt | 6000 |
| 912 | Kolsters | Owner | 500 |
| 913 | Johnson | Owner | 500 |
| 914 | Turner | MacGregor | 495 |
| 915 | Turner | MacGregor | 15000 |
| 916 | Johnson | Boulware | 20000 |
| 917 | Holloway | Mullen | 5000 |
| 897 | Raaley | Owner | 600 |
| 898 | Adams | Sheridan | 6000 |
| 899 | Toler | Muller | 14000 |
| 900 | Stites | Graff | 4000 |
| 901 | Sather | Owner | 500 |
| 902 | California | Christensen | —— |
| 903 | Pedgrift | Owner | 2000 |
| 904 | Maroney | Owner | 3500 |
| 905 | Baird | Muller | 16000 |
| 906 | Howell | Owner | 2500 |
| 907 | Bischoff | Owner | 1000 |
| 908 | Janson | Peters | 4500 |
| 909 | Camp | Pedgrift | 400 |
| 910 | Berkeley Sch Bd | Sloane | 12140 |
| 911 | Same | Green | 2250 |
| 918 | Hanrahan | Jones | 2000 |
| 919 | Union Constr. | Owner | 15000 |
| 920 | Booth | Warner | 7000 |
| 921 | Leimert | Muller | 34000 |
| 922 | Dalton | Owner | 10500 |
| 923 | Thorne | Dwner | 4000 |
| 924 | Cal Alpha Sigma Phi | Scott | 1327 |
| 925 | Same | Jepsen | 2240 |
| 926 | Same | Zelinsky | 1718 |
| 927 | Same | Berkeley Elec | 1529 |
| 928 | Same | Makin | 4992 |
| 929 | Same | White | 1296 |
| 930 | Same | Livingston | 15854 |
| 931 | Same | Forderer | 1480 |
| 932 | Same | Doell | 2147 |

GARAGE
(875) NO. 5456 KALES AVE., Oakland. Garage.
Owner—Charlie Volck, 3 Pacific Ave., Piedmont.
Architect—None.
Contractor—J. C. Christofherson, 560 33rd St., Oakland.
COST, $500

ADDITION
(876) NO. 6 MONTE VISTA AVE., Oakland. Addition.
Owner—M. H. Price.
Architect—None.
Contractor—Hauri & Wierk, 822 56th St., Oakland.
COST, $450

DWELLING AND GARAGE
(877) DALE AVE., Piedmont. Two-story frame dwelling and garage.
Owner—Ethel G .Stubbs.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
COST, $4050

DWELLING
(878) N CARRINGTON 50 E Steinway, Oakland. One-story 5-room dwelling.
Owner—Emma Rugg.
Architect—None.
Contractor—L. G. Hudson, Oakland.
COST, $3500

REPAIRS
(879) NO. 914 CASTRO, Oakland. Fire repairs.
Owner—L. Bushell, 726 7th St., Oakland
Architect—None.
Contractor—John Perona, 570 7th St., Oakland.
COST, $472

ALTERATIONS
(880) NO. 412 FOURTEENTH ST., Oakland. Alterations.
Owner—Joe Drago.
Architect—None.
Contractor—John Perona, 570 7th, Oakland.
COST, $1900

GARAGE
(881) NO. 5945 SAN PABLO AVE., Oakland. Garage.
Owner—Mrs. D. Se Cox, Premises.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
COST, $450

DWELLING
(882) E VERMONT opp. Weldon, Oakland. One-story 5-room dwelling.
Owner—A. E. Stebbins, 1332 E-36th St., Oakland.
Architect—None.
Contractor—H. Goranson, 3476 Laguna Ave., Oakland.
COST, $4900

DWELLING
(883)N LINCOLN 225 E Sacramento. Berkeley. One-story 5-room dwlg.
Owner—Jas. W. Brazier, 1251 Channing Way, Berkeley.
Architect—None.
Day's work.
COST, $2500

DWELLING
(884) N BLAKE 60 E Baker, Berkeley. One-story 6-room frame dwelling.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work.
COST, $3750

DWELLINGS
(885) BLAKE AND BAKER NW, NE and SE Corners, Berkeley. Three one-story 6-room dwellings.
Owner—C. M. MacGragor, 470 13th St., Oakland.
Architect—None.
Day's work.
COST, $3750 each

DWELLINGS
(886) S BLAKE 40, 80, 120, 160 and 200 E Baker, Berkeley. Five one-story 6-room dwellings.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work.
COST, $3750 each

DWELLING
(887) N SUMMER 124 E Spruce, Berkeley. One-story 5-room dwelling.
Owner—G. L. Gohn, 2708 Grove St., Berkeley.
Architect—None.
Day's work.
COST, $3800

DWELLING
(888) NW FIFTY-FOURTH AND Shattuck Ave., Oakland. One-atory 5-room dwelling.
Owner—Geo W| Anderson, 684 16th St., Oakland.
Architect—None.
Contractor—Wm. Sims, 1126 64th Ave., Oakland.
COST, $4500

DWELLINGS
(889) N FIFTY-FOURTH 36 and 75 W Shattuck Ave., Oakland. Two one-story 5-room dwellings.
Owner—Geo. W. Anderson, 684 16th St., Oakland.
Architect—None.
Contractor—Wm. Sims, 1126 64th Ave., Oakland.
COST, $1500 each

ALTERATIONS
(890) SW FIFTH AND ADELINE Sts., Oakland. Alterations.
Owner—Western Paper Box Co.
Architect—None.
Contractor—Alfred Cords, Syndicate Bldg., Oakland.
COST, $500

ALTERATIONS
(891) NO. 417 JEAN ST., Oakland. Alterations.
Owner—Geo. Richmiller.
Arfchitect—None.
Contractor—P. J. Healy, 842 37th St., Oakland.
COST, $1400

ALTERATIONS
(892) E KIRKHAM 100 S 14th St., Oakland. Alterations.
Owner—Phillip Tulerico, SE 14th and Kirkham Sts., Oakland.
Architect—None.
Day's work.
COST, $500

DWELLING
(893) S LONGRIDGE ROAD 60 W Hubert Road, Oakland. Two-story 7 room dwelling.
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1415 Central Ave., Alameda.
COST, $8500

DWELLING
(894) S SANTA RAY 438 W Paloma, Oakland. One-story 6-room dwlg.
Owner—E. H. Hildebrand, 68 Post St., San Francisco.
Architect—None.
Contractor—W. J. Baker, 546 30th St., Oakland. COST, $5900.

DWELLING
(895) NO. 111 ARBOR DRIVE, Piedmont. Two-story dwelling and garage.
Owner—Peter Block, 113 Arbor Drive, Piedmont.
Architect—None.
Day's work. COST, $7000

RESIDENCE
(896) NO. 19 MONTICELLO AVE., Piedmont. Two-story frame residence.
Owner—Mrs. E. E. Steel, 135 Hillside Ave., Oakland
Architect—None.
Contractor—Burritt & Shealey, 427 63d St., Oakland
COST, $5000

ALTERATIONS
(897) NO. 2242 CARLTON (rear), Berkeley. Alterations.
Owner—J. S. Baaley, 2232 Carlton St., Berkeley.
Architect—None.
Day's work. COST, $600

DWELLING
(898) N PARKSIDE DRIVE 255 W Nogales, Berkeley. One-story 6-room dwelling.
Owner—Catherine J. Adams, 2741 College Ave., Berkeley.
Architect—None.
Contractor—Howard P. Sheridan, 2815 Grove St., Berkeley.
COST, $6000

STORES
(899) PARK ST., Alameda. One-story brick store building.
Owner—J. H. Toler, 1536 Broadway, Alameda.
Architect—None.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.
COST, $14,000

DWELLING
(900) W ALMA AVE 150 S McKinley, Oakland. One-story 5-room dwelling
Owner—J. A. Stites, Oakland.
Architect—None.
Contractor—Edwin C. Graff, 355 12th, Oakland.
COST, $4000

PLATFORM
(901) W BROADWAY 250 N 19th St., Oakland. Platform
Owner—J. P. Sather, 2207 Broadway, Oakland.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(902) BEACH AND HALLECK, Oakland. Alterations (principally cement floor).
Owner—California Packing Corp.
Architect—None.
Contractor—C. Christensen & Son, 351 12th St., Oakland.
COST, $——

(903) NO. 4110 BROADWAY, Oakland. Alterations.
Owner—Jas. H. Pedgrift, 351 12th St., Oakland.
Architect—None.
Day's work. COST, $2000

DWELLING
(904) W SIXTY-EIGHTH AVE 350 N Flora St., Oakland. One-story five-room dwelling.
Owner—John Maroney, 651 10th St., Oakland.
Architect—None.
Day's work. COST, $3500

FACTORY, ETC.
(905) N TWENTY-SIXTH 50 W Adeline, Oakland. One-story brick factory and warehouse.
Owner—Baird-Baillache, San Francisco.
Architect—None.
Contractor—F. A. Muller, Syndicate Bldg., Oakland.
COST, $16,000

DWELLING
(906) S CARLTON 225 E Sacramento, Berkeley. One-story, four-room dwelling.
Owner—Frank E. Howell, 1008 Eagle Ave., Alameda.
Architect—None.
Day's work. COST, $2500

ALTERATION
(907) NOS. 1816-18 FOREST AVE., Berkeley. Alteration.
Owner—John A. Bischoff, 2717 Russell St., Berkeley.
Architect—None.
Day's work. COST, $1000

DWELLING
(908) HOLLY ST. 196 N Cedar, Berkeley. One-story, five-room dwlg.
Owner—O. Janson, 1094 64th St., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Mr. Peters.
COST, $4,500

ALTERATION
(909) NO. 2731 VIRGINIA ST., Berkeley. Alteration.
Owner—W. R. Camp, Premises.
Architect—None.
Contractor—Jas. H. Pedgrift, 351 12th St., Oakland.
COST, $400

SHADES, ETC.
(910) BOUNDED BY GROVE ST., Bancroft Way, Channing Way and Milvia St., Berkeley. All work for shades and linoleum for high school.
Owner—Berkeley High School District of Alameda County.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—W. & J. Sloane, 224 Sutter St., San Francisco.
Filed Apr. 21, 20. Dated Mar 25, '20.
1st Saturday after 1st Tuesday of each month ..... 75%
Usual 35 days..... 25%
TOTAL COST, $12,110
Bond, $7000 and $7000. Surety, National Surety Co., Limit, 30 days. Forfeit, none. Plans and specifications, none.

(911) GRADING AND EXCAVATING on above.
Contractor—J. H. Green, 1323 Bancroft Way, Berkeley.
Filed Apr. 21, '20. Dated Feb. 18, '20.
Payments same as above.....
TOTAL COST, $2250
Bonds, $1200 and $1200. Surety, Globe Indemnity Co. Limit, 35 days. Forfeit, plans and specifications, none.

GARAGE
(912) FRUITVALE ACRES, Oakland. Garage.
Owner—John Kolsters, 201 Gates St., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATION
(913) NO. 487 HUDSON ST., Oakland. Alteration.
Owner—Mary A. Johnson, 5419 Claremont, Oakland.
Architect—None.
Contractor—Geo. H. Johnson, 5419 Claremont, Oakland.
COST, $500

GARAGE
(914) SE MANDANA & ASHMOUNT, Oakland. Garage.
Owner—M. H. Turner, 781 Santa Ray, Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
COST, $495

DWELLING
(915) SE MANDANA BLVD. AND Ashmount, Oakland. Two-story, nine-room dwelling.
Owner—M. H. Turner, 781 Santa Ray, Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
COST, $15,000

FLATS
(916) E WALSWORTH AVE. 100 S Monte Vista, Oakland. Two-story, 16-room flats.
Owner—Dr. Frank D. Johnson, Oakland Bank of Savings Bldg., Oakland.
Architect—None.
Contractor—F. M. Boulware, Gridley, Cal.
COST, $20,000

ALTERATION
(917) NO. 2228 TELEGRAPH AVE., Berkeley. Alteration (interior in store).
Owner—W. B. Holloway, 2819 Telegraph Ave., Berkeley.
Architect—None.
Contractor—Mullen Mfg. Co., San Francisco.
COST, $5000

ALTERATION
(918) NO. 1410 FIFTH AVE., Oakland. Alteration to dwelling.
Owner—P. N. Hanrahan, 1649 28th Ave., Oakland.
Architect—None.
Contractor—F. G. Jones, 1217 Webster St., Oakland.
Cost, $2000

OFFICE BUILDING
(919) KEY ROUTE BASIN, Oakland. Two-story office building.
Owner—Union Construction Co., Prem.
Architect—None.
Day's work. COST, $15,000

ADDITION
(920) NE THIRTY-SIXTH and Telegraph Ave., Oakland. One-story brick add to garage (this add is stores).
Owner—C. S. Booth, 928 16th St., Oakland.
Architect—L. F. Hyde, 26th Ave., Oakland.
Contractor—S. A. Warner, 4606 Brookdale Ave, Oakland.
COST, $7,000

STORES
(921) SE TWENTY-THIRD AND Broadway, Oakland. One-story brick stores.
Owner—Walter Leimert, Syndicate Bldg., Oakland.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
COST, $34000

DWELLINGS
(922) N WOODBINE AVE. 160, 200, 240 W Fruitvale Ave., Oakland. Three one-story, five-room dwellings.
Owner—S. E. Dalton, 1257 46th Ave., Oakland.
Architect—None.
Day's work. COST, 3,500 each

DWELLING
(923) N WELD 340 E 73rd Ave., Oakland. One-story, 5-room dwelling.
Owner—N. Thome, 7404 Weld St., Okd.
Architect—None.
Day's work. COST, $4000

HEATING APPARATUS
(924) NW CHANNING WAY AND Piedmont Ave., Berkeley. All work for heating apparatus for three-story and basement frame fraternity house.
Owner—California Alpha Sigma Phi Association.
Architect—J. H. Mitchell and L. B. Miller, Associate.
Consulting Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—Scott Co., 381 11th St., Oakland.
Filed Apr. 24, '20. Dated Apr. 15, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $1327
Bond, none. Limit, 25 days. Forfeit, none. Plans and specifications filed.

(925) EXCAVATING, GRADING AND concrete work on above.
Contractor—Jepsen Bros., 1721 Francisco St., Berkeley.
Filed Apr. 24, '20. Dated Apr. 15, '20.
Payments same as above.....
TOTAL COST, $2240
Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed...

(926) PAINTING ON ABOVE
Contractor—D. Zelinsky & Sons, 422 Turk St., San Francisco.
Filed Apr. 24, '20. Dated Apr. 15, '20.
Payments same as above.....
TOTAL COST, $1718
Bond, none. Limit, 20 days. Forfeit, none. Plans and specifications filed.

(927) ELECTRIC WORK ON ABOVE.
Contractor—Berkeley Electrical Co. 2142 Center St., Berkeley.
Filed Apr. 24, '20. Dated Apr. 15, '20.
Payments same as above.....
TOTAL COST, $1529
Bond, limit, forfeit, none. Plans and specifications filed.

(928) LATHING AND PLASTERING on above.
Contractor—William Makin, 2838 Beaumont Ave., Oakland.
Filed Apr. 24, '20. Dated Apr. 15, '20.
Payments same as above.....
TOTAL COST, $4993
Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.

(929) BRICK WORK ON ABOVE.
Contractor—White & Gloor, Monadnock Bldg., San Francisco.
Filed Apr. 24, '20. Dated Apr. 15, '20.
Payments same as above.....
TOTAL COST, $1296
Bond, none. Limit, 20 days. Forfeit, none. Plans and specifications filed

(930) CARPENTRY AND MILL WORK on above.
Owner—Wm. Livingston & Son, 2918 Ellis St., Berkeley.
Filed Apr. 24, '20. Dated Apr. 15, '20.
Payments same as above.....
TOTAL COST, $15,851
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(931) ROOFING AND SHEET METAL on above.
Contractor—Forderer Cornice Works, 269 Potrero Ave., San Francisco.
Filed Apr. 24, '20. Dated Apr. 15, '20.
Payments same as above.....
TOTAL COST, $1450
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(932) PLUMBING ON ABOVE.
Contractor—Carl T. Doell, 469 21st St., Oakland.
Filed Apr. 24, '20. Dated Apr. 15, '20.
Payments same as above.
TOTAL COST, $2117
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

Bond, Su...

**NOTICE OF NON-RESPONSIBILITY.**

**Alameda County.**

Apr. 19, 1920—NO. 456 ELEVENTH, Oakland. A Jonas as to improvements on leased property.....

## COMPLETION NOTICES

### Alameda County

April 16, 1920—NW SIXTY-FIFTH and Whitney Sts., Oakland. J. A. Sullivan to various contractors, including H. J. Kopp and Wm. Makin .....April 1, 1920
April 16, 1920—LOT 11, BLK. D, Map "The Oaks," Oakland and Piedmont. Conrad W. Glantz to whom it may concern..April 14, 1920
Apr. 17, 1920—LOT 129 BLK "D" Map Bowles & Fitzgerald Tract, Okd Edward Kletzker to Halger Nielson.....Feb. 28, 1920
April 17, 1920—LOT 42, MAP SAN Antonio Court, San Leandro. Allen E. Pelton to A. Cordeiro and E. Anderson .....April 17, 1920
Apr. 17, 1920—LOTS 1 TO 12 inclu. and Lots 25 and 36 Blk "E" Town of Decoto. Better Pack Canning Co to C A Bruce.....Apr. 6, 1920
Apr. 19, 1920—S 33-6 LOT 46 and N 1-6 Lot 47 Blk 8, Map Havenscourt, Okd. Louis Steckler to whom it may concern .....April —, 1920
Apr. 19, 1920—S 33-6 LOT 47 and N 1-6 Lot 48 Blk 8, Map Havenscourt, Okd. Louis Steckler to whom it may concern.....April —, 1920
Apr. 19, 1920—S 33-6 LOT 42 and 1-6 Lot 43 Blk 8, Map Havenscourt, Okd. Louis Steckler to whom it may concern.....April —, 1920
Apr. 19, 1920—LOT 14 Champion Tct, Okd. Frederick William Edge to whom it may concern...Apr. 17, 1920
Apr. 20, 1920—E CLAREMONT AVE. bet. Webster and Russell, Bkly. Board of Education of City of Berkley to Mathew Morton.Apr. 13, 1920
Apr. 20, 1920—E TELEGRAPH AVE. bet. Ward & Stuart Sts., Berkeley. Board of Education of City of Berkeley to Wm Makin....Apr. 13, 1920
Apr. 20, 1920—S UNIVERSITY AVE. bet. Curtis and Bonar, Bkly. Board of Education of City of Berkeley to S J Bertelsen.....Apr. 7, 1920
Apr. 21, 1920—LOT 41 and 1-6 Lot 42 Blk 8 Map Havenscourt, Oakland; Louis Steckler to whom it may concern.....Apr. 20, 1920
Apr. 21, 1920—LOT 39 BLK 8, Map Havenscourt, Okd. Louis Steckler to whom it may concern.Apr. 20, 1920
Apr. 21, 1920—LOT 55 BLK 8, Map Havenscourt, Okd. Louis Steckler to whom it may concern.Apr. 20, 1920
Apr. 21, 1920—S 33-6 LOT 48 BLK 8, Map Havenscourt, Okd. Louis Steckler to whom it may concern.. .....Apr. 20, 1920

**LIENS FILED.**

### Alameda County

Apr. 15, 1920—E 60.75 LOT 2 and N 22 Lot 1 Blk "A" Whitney Tract, Bkly. Fred W McDonald and H B Moore vs Myron Westover, Selah S Westover and Mathew Morton.$266.61
Apr. 16, 1920—SE THIRTY-THIRD Ave and E-12th S 30xE 50, Okd. George H Lydiksen vs Jesse and Maria Sebbens.....$399.43
April 21, 1920—LOTS 39, 41, 42, 43, 44, 45, 46, 47, 48, 55, Blk. 8, Map Havenscourt, Oakland. Andrew H. Knoll vs. Louis Steckler and George W. Boxton & Son.....$375

**BUILDING CONTRACTS.**

**Santa Clara County.**

ADDITION
NO. 697 N. THIRD, San Jose. Addition.
Owner—D. Cartizano, San Jose.
Architect—None.
Day's work. COST, $600

COTTAGE
NO. 679 N. FIRST, San Jose. Six-room cottage.
Owner—W. J. Holmes, San Jose Hardware Co.
Architect—Chas. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—J. B. Lamb, Builders' Exchange, San Jose.
COST, $6,775

CANNERY
JACKSON AND SEVENTH STS., San Jose. Concrete cannery building.
Owner—California Packing Corp.
Architect—None.
Contractor—R. O. Summers, 17 N-First St, San Jose.
COST, $20,000

ALTERATIONS
NO. 232 S-TENTH ST., San Jose. Alterations.
Owner—C. A. Rutherford, San Jose.
Architect—None.
Day's work. COST, $2000

COTTAGE
FIFTEENTH AND EMPIRE STS., San Jose. Cottage.
Owner—Jack Moore.
Designer—Wm. O'Neil.
Contractor—Wm. O'Neil, 455 N-12th St., San Jose.
COST, $2250

DWELLING
NO. 438 JACKSON ST., San Jose. Four room dwelling.
Owner—J. Tambini, 340 Bellvue St., San Jose.
Architect—None.
Day's work. COST, $750

**COMPLETION NOTICES.**

**Santa Clara County.**

Recorded Accepter
Apr. 20, 1920—SAN JOSE. Nicholas Silvestri to C F Keesling.....April 17, 1920
April 20, 1920—SAN JOSE. Lawrence Lewis to whom it may concern... .....April 19, 1920
April 22, 1920—LOT 64 of the Subdivision of the Polhemus Tract, near Menlo Park. Cutter Bonestell to W. C. Duncan & Company.Apr. 12, '20
April 21, 1920—LOT 6, BLK. 36, Subdivision of Blk. 36, amended map of San Carlos. H. Vanderloan to G. B. Hollenbeck.....April 15, 1920

**COMPLETION NOTICES.**

**Santa Clara County.**

Recorded Accepted
Apr. 17, 1920—SAN JOSE. E M Smith to E Hiatt.....Apr. 16, 1920

**BUILDING CONTRACTS.**

**Fresno County.**

STAGE DEPOT
LOTS 11 TO 16, BLK. 75, Fresno. One-story concrete auto stage depot.
Owner—J. M. Rustigian, Fresno.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—Robert M. Brown, Madera.
Filed April 22, '20. Dated April 12, '20.
1st and 15th each month ..... 75%
Usual 35 days ..... $14,705
TOTAL COST, $58,820
Bond, $29,410. Sureties, A. E. Christiana, C. F. Perciado Co., and M. J. Schoonderwood. Forfeit, $1. Limit, 75 days.

DWELLING
LOTS 13, 14, BLK. 258, Fresno. Frame dwelling.
Owner—G. Martrogiacomo, Fresno.
Architect—None.
Day's work. COST, $1500

ALTERATIONS
NO. 278 CALAVERAS AVE., Fresno. Alterations.
Owner—D. H. Cadwallader, Fresno.
Architect—None.
Day's work. COST, $1500

**COMPLETION NOTICES.**

**Fresno County.**

Recorded Accepted
April 16, 1920—OIL WELL, Sec. 29, 20-15, April 13, 1920, Fresno. S. P. Co. to whom is may concern..... .....April 15, 1902
April 19, 1920—W 50 FT. LOT 2, BLK. 4, Cedar Park, Fresno. W. R. Groshell to whom it may concern. .....April 19, 1920
April 21, 1920—LOT 4, BLK. 16, Alta Vista, Fresno. Austin A. Leary to whom it may concern..April 20, 1920

**LIENS FILED.**

**Fresno County.**

Recorded Amount
April 19, 1920—LOT 7, BLK 71, Fresno. Ms. Kellner & Son Lumber Co., $933; Geo. Farris, $766; Fresno Hardware Co., $220; Madary's planing Mill, $160. vs. Fred Stone, Carl H. Brix et al. .....
April 21, 1920—LOTS 1, 2, BLK 84, Fairmont, Fresno. Valley Lumber Co. vs. J. H. Hill and R. C. Mize..$58

**NOTICE OF NON-RESPONSIBILITY.**

**Fresno County.**

April 20, 1920—LOTS 14 TO 18, BLK. 3, Forthcamp Add No. 2, Fresno. T. R. Thomson et al as to improvements on leased property.

**BUILDING CONTRACTS.**

**Sacramento County.**

DWELLING AND GARAGE
NO. 1400 FORTY-FIRST ST., Sacramento. One-story, seven-room frame dwelling and garage.
Owner—F. N. Scatena, 1609 28th St., Sacramento.
Designer and Contractor—J. A. McCullouch, 2815 I St., Sacramento.
COST, $9500

HEATING SYSTEM
NO. 610 K ST., Sacramento. Install steam heating system and oil tank.
Owner—W. Gerber, 1430 N St., Sacramento.
Architect—None.
Contractor—Hately & Hately, Mitau Bldg., Sacramento.
COST, $5000

ALTERATIONS
NO. 1021 THIRD ST., Sacramento. Light well and interior repairs.
Owner—M. E. Noisat, Oakland.
Architect—None.
Contractor—P. F. Reed, 2545 28th St., Sacramento.
COST, $1200

PAINT SHOP
NO. 1220 F ST. near E. ½lot 3, F-G-12-13, Sacramento. Paint shop.
Owner—J. F. Claderone, 1220 F St., Sacramento.
Architect—None.
Contractor—Simonds & Birdsall, 4715 M St., Sacramento.
COST, $2380

April 17, 1920—LOT 5 AND E ¼, Lot 6, I-J-11-12, Sacramento. Masonic Temple Association to W. P. Fuller, Otis Elevator Co., Schneider, Chappell & Jones, and Latourette-Fical Co. .....April 12 1920

### COMPLETION NOTICE.

**Sacramento County.**

Recorded Accepted
April 17, 1920—LOT 15, CURTIS Oaks, Sacramento. Chas. Rothschild to whom it may concern... .....April 1, 1920

### NOTICE OF NON-LIABILITY.

**Sacramento County.**

April 17, 1920—E ½ OF W ½ LOT 2, K-L-8-9, Sacramento. Nellie and Kate Turton as to improvements on leased property.

### NOTICE OF NON-LIABILITY.

**Sacramento County.**

April 20, 1920—NO. 1122 J ST. on part lots 3 and 4, J-K-11-12, Sacramento. Anna M. Gaskill as to improvements on leased property.

### BUILDING CONTRACTS.

**San Joaquin County.**

REMODEL
E MARKET bet. F and Filbert, Stockton. Remodel residence.
Owner—Chas. Brizendine, 137 Bridge, Stockton.
Architect—None.
Day's work. COST, $1000

ADDITION
SONORA ST. bet. Hazel and Laurel. Addition.
Owner—E. C. Cramer, 2108 E. Lafayette, Stockton.
Architect—None.
Day's work. COST, $4,000

RESIDENCE
CALIFORNIA AND COURT STS., Stockton. Residence.
Owner—E. E. Potter, Stockton.
Architect—None.
Day's work. COST, $2500

RESIDENCE
E MAPLE ST. bet Hunter and El Dorado. Residence.
Owner—R. W. Gealey, Belding Bldg., Stockton.
Architect—None.
Day's work. COST, $9000

### COMPLETION NOTICES.

**San Joaquin County.**

April 22, 1920—SE HUNTER AND Fremont Sts. 129x50, Stockton. Wagner Leather Co. to Frank Tucker .....April 10, 1920
Recorded Accepted
April 17, 1920—POR. OF SEC. 2 T. 4. N. R. 5 E. Horton Kile to I. A. Schroeder .....April 12, 1920

### ST. FRANCIS WOOD TO HAVE BIG PLAYGROUND.

The development of a community center in St. Francis Wood advanced a step this week with the beginning of work on a children's playground on Terrace Green, the five-acre community park presented to St. Francis Wood Homes Association by the Mason-McDuffie Company.

The playground is being equipped with all the accessories of a most complete recreation park, the equipment alone costing $2,000. J. L. Stewart, chairman of the Playground Committee of the St. Francis Wood Homes Association, has charge. The playground will contain 10,000 square feet.

Alexander Rose, landscape engineer for St. Francis Wood, will help to beautify the playground.

The recreation place will be adjacent to the tennis courts, which are under the management of the St. Francis Wood Tennis Club. These two courts are asphalt regulation tournament courts and during the present season will be the scene of several important tennis programs.

### FAR EASTERN TRADE NOTES.

[Prepared by the Far Eastern Division, Bureau of Foreign and Domestic Commerce, to which refer for fuller particulars. The district and cooperative offices have reserve information where reference number is given.]

**Aluminum a Possible Substitute for Copper in Cables.**

Aluminum is being considered by the Japanese hydroelectric plants to replace copper in their heavy transmission cables. Copper has been used exclusively for this purpose heretofore, but even with a 25 per cent duty, aluminum can compete successfully on the basis of price.

**Projected Hydroelectric Plants in Japan.**

A recent letter from Commercial Attache James F. Abbott, Tokyo, Japan, gives further information, and in some respects modifies the statements contained in the trade note on the extension of high-tension transmission lines in Japan, published in Commerce Reports of February 28, 1920. For further details request file No. FE-111.

**Output of Silk Textiles from Fukui, Japan.**

A marked falling off in the production of Fukui silk textiles in 1919 was more than counterbalanced by the increased prices obtained. In 1918 the members of the Fukui Silk Textiles Guild manufactured 103,819,826 yards of silk for which they received $47,106,062, while in 1919 only 73,979 yards were made, which sold for $54,203,434.

**Copper Market in China.**

In 1918 over 8,000 short tons of copper ingots and slabs, valued at about $5,000,000 were imported into China, and it is known that the figure for 1919 will be much greater, as over 14,000 tons were reported as imported during the first nine months. Practically all of this copper, which was minted into coins, was Japanese, although a limited amount of American copper was sold to China by Japanese dealers. The local production is about 2,000 tons annually, and so far as is known, none of the deposits have been extensively worked. For statistics and suggestions by United States Trade Commissioner J. Morgan Clements, that might prove helpful to exporters contemplating entering into the competition for this trade, refer to file No. FE-110.

**Wages in Japan.**

In commenting on Far Eastern Trade note No. FE-66, Wages in Yokohama, Commercial Attache James F. Abbott, Tokyo, Japan, says that there is practically no regular employee now in Japan who does not get a bonus of from one to three and even five months' salary at New Year, this being a regular institution in Japan and applying to all Government as well as to employees of private concerns. In many cases this bonus is paid twice a year, and important officials frequently receive a sum many times more than thel rannual salary. Another method of assisting their employees, adopted by some large factories, is to issue a rice stipend in addition to the regular salary. Some companies give board at the rate of 9 or 10 sen a day, which actually costs the employer 25 to 35 sen. The employers prefer this method, inasmuch as it is easier to reduce the labor outlay, should the cost of rice fall, than as if the wages were increased.

**Chinese Flour Mills Buying Machinery.**

There is now in the United States the representative of a large flour milling company of China, who is arranging for the purchase of a quantity of machinery, and for an electric generating plant, for which over a million dollars will be spent. He is also interested in agricultural implements and methods for improving the Chinese wheat crop, and would be glad to receive catalogues and information from manufacturers. (Refer to file No. FE-113.)

**American Safes Popular in Manchuria.**

There is a growing demand reported in Manchuria for iron and steel safes of American manufacture, as Chinese safes are ordinarily crude and cumbersome. It is thought that a popular size would be about 2 feet wide by 2 feet deep and 3 feet high. They should be substantial and neat in appearance, with nickleplated finish and simple decorations in gold leaf. The interior arrangements need not be complicated, but consist of perhaps two drawers, a few shelves, and a large space for money bags. The suggested range of prices is between $150 and $300. Shipments are made conveniently via Dairen, and quotations should be c. i. f. that port.

### BIDS REJECTED FOR CARSON CITY MEMORIAL BUILDING. NEW BIDS ORDERED RECEIVED.

CARSON CITY, Nevada—Bids received by the Board of Capitol Commissioners for the construction of the two-story reinforced concrete memorial building from plans by Architect F. J. DeLongchamps, Gazette Bldg., Reno, Nevada, have been rejected as all were above the estimate for construction. Eighty thousand dollars is available, while the figures received totaled approximately $120,000.

The bids were:

C. G. Sellmann Construction Co. for the finished building, $138,000. Seven or eight specified deductions made the offer $75,590 for the "shell"—the building erected, but with only rough partitions and sub-floors, with no plastering or interior finishings whatever.

J. Bernasconi of Reno, $139,950. Decreased by the same deductions as in Selmann's bid Bernasconi's figure for the shell was $79,800.

Bids for the oil tank and burner equipment varied from $973 by the Reno Plumbing & Heating Company, to $1,400 by another Reno firm.

Bids for the heating plant ran from $7,175 by James & Ducker to $9,379.

### NEW BOOK.

"How to Use Cement for Concrete Construction for Town and Farm," is the latest book issued by Stanton & Van Vliet Company, Book Publishers of Chicago.

The author, H. Colin Campbell, is an expert engineer who has made a special study of concrete. He was for many years in the service of the government and is now on the staff of the Portland Cement Association as Director of the Editorial and Advertising Bureau, in which capacity he has had unusual opportunities for obtaining the most authentic information concerning this subject.

The book sells at $2.00.

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# EDITORIAL

## ARCHITECT PUTS STOP TO PRAISE THAT NAUSEATES.

Bernard Maybeck, architect of the Palace of Fine Arts at the Panama-Pacific Exposition, is noted for his extreme reticence, and while he wears a perpetual air of austerity is one of the most gentle and benevolent.

The constant praise which has come to him because of his master-piece at the exposition has so palled on him that he now shies and almost stampedes when the subject is broached.

At a dinner party in Berkeley, a few evenings ago, Maybeck was seated beside a pretty miss from the East.

"Oh, Mr. Maybeck, never can I forget your wonderful, your beautiful composition in that Palace of Arts," she simpered.

"Thank you, thank you," came a somewhat abrupt response.

"Oh, Mr. Maybeck, it was a dream! Divine! Nothing else have I seen like it elsewhere," she ecstacised.

"My good young lady," interrupted the architect, "don't you know California is famous for its dreamers and poets. Have you never chanced to come across that languid, albeit, sweet poem by a Californian—'The Poetry of the Herd and the Range?'"

"I'm afraid not. Tell me about it, do!" again ecstacising.

"It goes like this," continued Maybeck—

"Cows may come and cows may go
But bull goes on for ever."

The pretty gusher from the East gave him no more taffy.

## LOS ANGELES COUNCIL "PASSES BUCK" ON CEMENT PLANT RENTAL

The tempest in a teapot over the disposition of the municipal cement plant at Monolith has subsided and Los Angeles city council has returned the draft of the proposed lease of the plant to a private corporation to the board of public service without recommendation. Having found that the public did not get excited over the story that the proposed lease was simply a pretext for the gobbling up of the plant by the "cement trust" the city council decided to "pass the buck". Responsibility for leasing the plant is therefore placed directly upon the board of public service. To calm the fears of the nervous the board may decide to make the lease with a stipulation that the option given to the lesse to buy can only be exercised on approval of the sale by vote of the people. The cement mill should be earning something for people whose money is invested in it. It should not be allowed to remain idle and go to scrap. Dividends are the immeditae demand. The question of its sale can easily be disposed of when it becomes urgent.—Southwest Builder and Contractor.

## PITTSBURG AIDS HOUSE BUILDING
### Industrial Corporations Finance Operations For Workers

PITTSBURG—Important industrial corporations in the Pittsburg district are financing home building operations by their employes to relieve the house shortage in mill and mining communities. For the general public, trust companies have adopted similar plans, and are now accepting what they term "installment mortgages" to encourage house erection.

The most ambitious program of the lot is that of the United States Steel Corporation. Under this plan an employe, who is willing to make an initial investment of 10 per cent of the total cost, is permitted to select from a large number of plans the kind of house that will suit his family. He then picks out a lot, usually near his place of employment, and the corporation's architects and builders do the rest. When the house is completed, it is turned over to the employe, who pledges himself to pay for it in monthly installments covering a period of ten years, the total cost being just what the cost has been to the corporation. Although the plan is scarcely a month old, the bureau in charge of building is already swamped with applications.

The Westinghouse Electric and Manufacturing Company also has a building plan, and have just completed and sold to employes fifty houses at cost. They too are to be paid for on the installment plan. Another and much larger program is in preparation.

The merit of these plans, builders say, is that materials can be purchased in large quantities and the saving passed on to the workman buyer, who thus gets a much better home for less money than if he had bought the material and erected the house as an individual.

## INVENTS NEW R. R. TIES.

TRUCKEE, Cal.—A. Rebert, president of the Verdi Lumber Company and well known in both lumbering and railroad circles, has invented a new type of railroad tie, the general use of which would effect a considerable saving in timber. The tie is built up from a number of small pieces of timber, all held firmly together by a series of wooden dowels. The Revert tie is now in use on the logging railroad of the Verdi Lumber Company and tests are also being made by the Southern Pacific Company at several points in Nevada. The Verdi Company is considering the matter of manufacturing and marketing the Revert tie.

## THEATRE OPERATORS ENTER CANDY MANUFACTURING FIELD ON LAREG SCALE.

The sale of the southeast corner of Fifth and Shipley streets, 75 by 125 feet, from Sheldon Potter to the Angeles Candy Company, just announced by A. C. Blumenthal & Company, brings to light a very interesting development.

The Angeles Candy Company is composed of Ackerman & Harris, the well known theatre people, I. Prager, and Chas. Brown, and they have let a contract to MacDonald & Kahn for a four-story reinforced concrete daylight building which is to be used as a large candy factory.

Construction is to commence at once, and will be completed within the next four or five months.

The Angeles Candy Company is now located at 1151 Mission street, and by the acquisition of this new capital and energy, will become one of the most important factors in candy manufacturing on the Coast.

Mr. Harris states that this company will, in addition to the candy factory now being built here, commence the construction of another one, of the same size in Los Angeles, and that they have just closed a lease for a large retail store in San Francisco and will have a high class retail store in almost every city in the United States, along the same lines of organization that they have used in their theatrical enterprises, and with practically unlimited backing for this purpose.

The new building in San Francisco will cost about $100,000, and the equipment will cost in the neighborhood of $50,000, and will be the latest style of factory building, containing every new device for manufacturing, rest-rooms, and a roof garden for the employees, and several new kinds of machines have been ordered for the manufacturing of hard candies, and marshmallows, which are a specialty of this firm.

All the real estate operations in connection with this business will be handled by A. C. Blumenthal & Co.

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S. C. WHIPPLE

## NEWS FROM NATIONAL HEADQUARTERS.

Among the speakers at the sixth annual convention of the American Association of Engineers to be held at the Planters Hotel in St. Louis on May 10th and 11th will be M. O. Leighton, chairman of the national service committee of Engineering Council, who will speak on "Getting Salaries for Public Service Engineers Into Budgets," Frances A. Kellor, vice-chairman of the Inter-Racial Council of New York and a recognized authority on immigration and racial problems, who will speak on "The Manpower Engineer—The Opportunity of Americanism" and Fred Lavis of the American International Corporation of New York who will speak on "Opportunities for the Engineer."

The principal speakers at the banquet on May 11, will be Doctor F. H. Newell, president of the American Association of Engineers and head of the department of civil engineering at the University of Illinois, and L. K. Sherman, president of the United States Housing Corporation.

A feature of the convention will be group meetings for draftsmen, federal engineers, mining engineers, highway engineers, industrial engineers, chemical engineers, municipal engineers and railroad engineers. These meetings will be held on the evening of the 10th. They will consider problems peculiar to each group and make a report to the general business session on the following day.

Among the constitutional amendments proposed are the following:

Add the grade of full member to rank above the present highest grade of certified member.

Create the following six grades of membership, Honorary, Permanent, Life, Sustaining or Patron, Commercial and Industrial, Visitor or Temporary.

To allow constitutional amendments by letter ballot.

There are several amendments proposed to change the amount of the entrance fee and the annual dues. The entrance fee revision proposed by the board of directors provides for an increase to twelve dollars during the year 1921 and for an amount subsequent to that year equal to the square root of the membership in hundreds adjusted to the nearest even dollar. This will not affect candidate-junior members, the entrance fee for which shall remain at $10.00, or student members, who pay no entrance fee. Under this plan the entrance fee for certified, junior and associate members would be $15.00 when the membership is 22,000; $20.00 when the membership is 40,000; $25.00 when the membership is 62,500 and $32.00 when the membership is 100,000.

Other important amendments under consideration are those relative to the proportionment of entrance fees and dues among chapters and national headquarters and the representation of chapters at the annual convention.

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The schedule of salaries of engineers in municipal service, prepared by a committee of the American Association of Engineers headed by S. C. Hadden, is the third national schedule for engineers in public service issued by the American Association of Engineers, it having been preceded by a schedule for state highway engineers and another for county highway engineers. The latter two have been endorsed in final form by the board of directors or the association, but the municipal schedule is still in tentative form and is issued now for the criticism of the profession.

The preparation of these three schedules has been under the direction of the committee on salaries of engineers in public service, of which A. N. Johnson, consulting highway engineer of the Portland Cement Association, is chairman. Mr. Johnson and the rest of his committee with the assistance of a large number of corresponding members prepared the schedules for state and county highway engineers. The municipal schedule was prepared by a sub-committee headed by S. C. Hadden, the personnel of which has been previously announced.

Both the corresponding members of the committee on salaries of engineers in public service and the twenty-two engineers who made up the municipal committee were scattered throughout the entire United States. Yet all the great amount of work involved in the preparation of the schedule has been done without calling a meeting of the entire committee, practically all of the work has been done by correspondence. The fact that every member actively participated by mail in the discussion of the points proposed is in striking contrast to the usual committee work where only a part of the members attend the meetings that are called and a lesser number actively take part in the discussion. Every committeeman was on the job all of the time and the criticisms from each one on the material submitted by the chairman were untrammeled by the opinions of others.

The schedule is expected to be adopted at the next meeting of the board of directors on May 9 at St. Louis. Criticisms are requested to be sent to S. C. Hadden, 63 East Adams Street, Chicago before that time.

A comfortable saving to members of the American Association of Engineers is effected in a day's work of the Service Department of the A. A. E.. On one day, April 22, 1920, there were fourteen men placed in positions at an aggregate monthly salary of $2,895. Had this service been rendered by commercial agencies, who charge 60 per cent of the first month's salary, the commissions would have amounted to $1,737.

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The student chapter of the American Association of Engineers at the University of Southern California has petitioned for a charter.

The Nashville (Tennessee) Club was organized on April 8. Matt M. Bird is secretary.

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## CALIFORNIA HIGHWAY CONTROVERSY.

The A. A. E. is naturally interested in the Highway situation and we are therefore representing the open letters to the Governor, written by the former secretary of the Highway Commission:

### Letter No. 3.

"Hon. William D. Stphens, Governor, Sacramento, Calif.

"My Dear Governor:

"I am in recepit of your esteemed favor of the 27th inst., forwarded from Los Angeles, in which you state:

> If you have any knowledge of 'maladministration" by the highway commission or incompetency, or wasteful expenditures of highway funds, it is your duty as a citizen of California at this time, no less than it was your duty heretofore, as an official, while occupying the position of Secretary of the highway commission, to make such information public.

### Veiled Charge Made

"In the above paragraph, dear governor, you thinly veil an indictment against me for dilatoriness in throwing the searchlight of publicity upon the doings of the California highway commission.

"Doubtless many other people are likewise asking why I am at this rather late day making these sensational statements, when it was no less my duty heretofore to do so.

"As my story unfolds, it will appear more clearly why I did not start something heretofore.

There are copies of letters in your files and in the files of former Governor Johnson, covering my diplomatic protests against this commission's methods.

### Not To Turn Both Cheeks

"What more ought I to have done? Would you have had me turn both cheeks, take submissively a proper slapping for my temerity and the sort of disciplining that was administered to my friend, W. T. Ellis of Marysville, in the interests of the peace, quiet and dignity of the state recla-

mation board? I note further, governor, you suggest that I make my revelations at once in one document instead of in installments.

"Please understand that my avowed object is to present said 'Revelations' in the form that will obtain for them the widest and most effective publicity.

"Should I follow your advice, my story would lose its news value in a large measure, and the educational appeal of my letters would be greatly dissipated.

**People To Be Considered**

"Primarily, the people who pay for and use these roads are the interested parties concerned; and I do not propose to waive any advantage which an alert and public-spirited press affords in opening their columns to my open letters to you.

"And, Governor may I not rely upon your generous forbearance if the installment method gets on your nerves?

"One of the strongest appeals you made to the voters in the campaign of 1918 was the pledge that you would stand for a critical survey of the various state departments with the object of bringing about greater coordination, efficiency and economy.

"I believe that the people of California elected you governor because they believe that as governor you would make your word politically as good as in former days as merchant your goods were always as represented.

**Public Deeply Interested**

"The deep interest the public is taking in these proposed disclosures of of practical inside workings of the highway commission, I believe is a significant prophecy, the Boynton efficiency commission's report, now resting in your hands, will be the foremost business that will engage the attention of the next legislature.

"And so, governor, holding you personally in the highest esteem, I still insist upon my right to deliver my message to you in the serial story form, promising, however, to get through with it as expeditiously as I may.

"There will be time anough after I have published the last chapter to punish me for my offending and not until the last chapter is written shall I quit.

"In the language of the illustrious Lloyd Garrison of Boston town: "I will not equivocate, I will not retract I will not retreat a single inch, and I will be heard. Yours with respect,

WILSON R. ELLIS."

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**Letter No. 4.**

Hon. Wm. D. Stephens, Governor, Sacramento, California.

My dear Governor: This is my open letter No. 4 explaining to you, and coincidently to the people, in part, what is the matter with the California Highway Commission.

I assure you, dear sir, I fully realize that we are engaged in no mirthful comedy. Rather is it a tragedy in aspect and significance, revealing moral and political forces in desperate contention within the State's greatest bureaucratic department, this same California Highway Commission.

And I am taking this business very seriously, Governor, and I know you do also. But, Mr. Fletcher your Highway Engineer informs you and the public through the medium of a press statement, that "It is difficult for me to take Ellis seriously."

May I venture to ask, Governor, who has this gentleman ever taken seriously but himself?

After observing him in daily contact and at close range for a term of years, I am competent to testify that it is just this self-confessed inability of your Highway Engineer to take other people seriously that sufficiently explains why he has permitted himself to needlessly and heedlessly strew his official pathway with momental engineering blunders which are costing this State millions upon millions of wasted highway funds. Why the entire highway department under him is "muscle bound" and inefficient; why it is saturated with discouragement and broken down ambitions and disloyalty.

Lamentably it is true. He is constitutionally and mentally incompetent to take anybody but himself seriously. To plead for him that he was born that way, and can't help it, may serve as an apology; but an apology is a confession; and neither apologies nor confessions are the Fletcher habit.

How is it possible for a man to grow in public service who from the start persistently submerges himself in the depths of the illusion that he knows it all; and who repels as a personal affront any suggestion that he may possibly profit by the knowledge or experience of others?

And, Governor, you know that such people, unless they are hopelessly of the "Emperor Norton" variety, always are internally conscious that they play a slippery and crafty game of bluff. That is why they usually live in fear of themselves and everybody else; that is why they are afraid to trust or fraternize with others who are smart enough and courageous enough to penetrate the masks they hide behind. These people, Governor, by instinct, burrow under ground like the timerous and industrious mole.

That is the way Fletcher worked to rid himself of the embarrassment which W. T. Ellis of Marysville, former member of the State Reclamation Board occasioned. While the Marysville Ellis made his contentions in the open sessions of the Board, in manful fashion, Fletcher was working his way subterraneously into your confidential presence and appealing to you to intervene—to ignomimously expel Ellis from the Reclamation Board. And thus did he scheme to block Ellis' exposures of unholy conditions then existing in Reclamation Board affairs.

Here we have "A. B. Fletcher the Politician" shining in the heroic guise of an armoured Roman gradiator, with Ellis' official head dangling at his belt.

Here we see on dress parade the Fletcher system, developed by him as Highway Engineer, carried over by him, as President of the Reclamation Board, into the affairs of that body—his domineering, tyrannical, Prussian system, that is cold-bloodedly bureaucratic and un-American.

The great disciplinarian and organizer brings to his task something more than a cudgel. Unless he have a genious for leadership; unless he is big enough in brain and heart to trust his subordinates in a magnanimous way; unless he can be open minded and ready to learn his daily lesson, even from so humble a thing as the "little flower" that clings to "the cranny in the wall," he cannot be a good engineer, nor a good executive, nor even a good politician.

And, Governor, I am not going to mince my words at this point.

If A. B. Fletcher were in fact a politician of high order, a modern executive of proved ability and an engineer who could point to a successful and unchallenged career in his profession, I would tell you just the same that he has enough to do to manage this job of building 6,000 miles of State highways, without monkeying with the troubles of the State Reclamation Board. The Reclamation Board's problems are wholly foreign to the Highway Commission's; and the time and brain fag that Fletcher now devotes to the politics and the business of this Reclamation Board, is given at the expense of his already deficient service as Highway Engineer.

I tell you further what is notoriously true, from the Oregon line to Mexico, the work of the highway department has suffered grieviously from the beginning, because there has never been, and there is not now, the watchful field inspection by Fletcher, that the responsibilities of his position demand of him.

Day in and day out, month after month, he sits at his desk and mulls over reports in weariness and a blue haze of Egyptian cigarette smoke, and does not know, a fraction of the time, what is happening to his roads even a mile and a half from his office door.

And as he himself is but an office engineer, so does he require his Division Engineers to do detail and desk work, that is largely clerical, and that greatly handicaps them in giving their time to needed outside superintendency.

Governor, this letter is long enough. I have done my best to jam into it the substance of the three letters which I had intended to devote severally to A. B. Fletcher, the politician, the executive and the engineer.

My next letter No. 5 will logically follow. I will deal with "Millions Wasted" and you are now prepared to anticipate me somewhat. I shall tell you how the whole program of State highway construction was projected upon a false economic basis which has resulted in the reckless waste of highway funds, and often in the location of important highways where neither the mandate of the law, nor the science of road engineering would place them.

Governor, the words below quoted from George Eliot speak volumes to me; and I pass the mon to you for what they may be worth to a Governor who means to do his whole duty regardless of consequences.

"If yo umean to act nobly, and seek to DO THE BEST that fate hath put within th ereach of man, you must fix your mind on that END and not upon what will happen to you because of it."

With respect,

WILSON R. ELLIS.

# Conservation Through Engineering.

BY FRANKLIN K. LANE

Extract from the Annual Report of the Secretary of the Interior for the Fiscal Year ending June 30, 1919

The plea for constructive policies contained in the report of the Secretory of the Interior to the President deserves a hearing also by the engineers and business men of America. The largest conservation for the future can come only through the wisest engineering of the present.

The conditions under which the utilization of natural resources is demanded are outlined by Secretary Lane, and it will be noted that the program recommended calls for the cooperation of engineer and legislator. To bring this power inventory to the attention of the men who furnish the Nation with its coal and oil and electricity, this extract from the administrative report of the Secretary of the Interior is reprinted as a series of articles in the Building and Engineering News.

EDITOR.

### 1. The Coal Strike

The coal strike has brought concretely before us the disturbing fact that modern society is so involved that we live virtually by unanimous consent. Let less than one-half of 1 per cent of our population quit their work of digging coal and we are threatened with the combined horrors of pestilence and famine.

It did not take many hours after it was realized that the coal miners were in earnest for the American imagination to conceive what might be the state of the country in perhaps another 30 days. Industries closed, railroads stopped, streets dark, food cut off, houses freezing, idle men by the million hungry and in the dark—this was the picture, and not a very pleasant one to contemplate. There was an immediate demand for facts.

How much coal is normally mined in this country?

By whom is it mined?

What is its quality?

To what uses is it put?

Who gets it?

How much less coal could be mined if coal were conserved instead of wasted?

What better methods have been developed for using coal than those of ancient custom?

Who is to blame that so small a supply is on the surface?

Why should we live from day to day in so vital a matter as a fuel supply?

What substitute can be found for coal and how quickly may these be made available?

This is by no means an exhaustive category of the questions which were put to this department when the strike came. And these came tumbling in by wire, by mail, by hand, from all parts of the country, mixed with disquisitions upon the duty of Government, the rights of individuals as against the rights of society, the need for strength in times of crisis, calls for nationalization of the coal industry, for the destruction of labor unions, for troops to mine coal, and much else that was more or less germane to the question before the country.

Many of these questions we were able to answer. But if coal operators themselves had not carried over the statistical machinery developed during the war, we would have been forced to the humiliating confession that we did not know facts which at the time were of the most vital importance.

In a time of stress it is not enough to be able to say that the United States contains more than one-half of the known world supply of coal; that we, while only 8 per cent of the world's population, produce annually 46 per cent of all coal that is taken from the ground; that 35 per cent of the railroad traffic is coal; that in less than 100 years we have grown in production from 100,000 tons to 700,000,000 tons per annum; that if last year's coal were used as construction material it would build a wall as huge as the Great Wall of China around every boundary of the United States from Maine to Vancouver, down the Pacific to San Diego and eastward following the Mexican border and the coast to Maine again; and that this same coal contains latent power sufficient to lift this same wall 200 miles high in the air, according to one of our greatest engineers (Steinmetz.'

Such facts are surely startling. They serve to stimulate a certain pride and give us a great confidence in our industrial future; yet they are not as immediately important, when the mines threaten to close, as would be a few figures showing how much coal we have in stock piles and where it is! And months since we call upon Congress to grant the money that we might secure these figures, but no notice was taken of the urge drequests, until, late in the summer, a committee of the Senate awoke to this need and indorsed our petition.

### National Stock Taking

The Government should have a more complete knowledge of the coal and of other foundation industries that can be found elsewhere, and we should not fear national stock taking as a continuing process. It is indeed the beginning of wisdom. The war revealed to us how delinquent in this regard we had been in the past. One day when the full story is told of the struggle of the Army engineer to meet war emergency demands, and this is supplemented by the tale of the efforts made by the Council of National Defense and the War Industries Board, it will be realized more seriously than now how little of stock taking we have done in this generous, optimistic land.

When any such undertaking is proposed, however, it at once appears to arouse the fear that it is somehow the beginning of a malevolent policy called "conservation," and conservation has had a mean meaning to many ears. It connoted stringiness and a provincial thrift, spies in the guise of Government inspectors, hateful interferences with individual enterprises and initiative, governmental haltings and sowardices, and all the constructions of an arrogant, narrow, and academic-minded hureaucracy which can not think largely and feels no responsibility for national progress. Needless to say this fear should not, need be. The word should mean helpfulness, not hindrance—helpfulness to all who wish to use a resource and think in larger terms than that of the greatest immediate profit; hindrance only to those who are spendthrift. A conservation which results in a stalement as between the forces of progress and governmental inertia is criminal, while a conservation that is based on the fuller, the more essential use of a resource is statesmanship.

To know what we have and what we can do with it—and what we should not do with it, also!—is a policy of wisdom, a policy of lasting progress. And in furtherance of such a policy the first step is to know our resources—our national wealth in things and in their possibilities; the second step is to know their availablity for immediate use; the third step is to guard them against waste either through ignorance or wantonness; and the fourth step is to prolong their life by invention and discovery.

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The license bill, introduced into the New York legislature by the New York Chapter of the American Association of Engineers, which was endorsed by the other chapters of A. A. E. in New York and by the Albany Society of Civil Engineers, the New York Section of the American Society of Civil Engineers and the Brooklyn Society of Engineers, has been passed by both houses in the legislature and has gone to the governor for his signature.

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The Michigan Central Railroad Section of the American Association of Engineers recently adopted a resolution offering the services of each of its members to the management of that railroad during the recent railroad strike. The Pennsylvania Railroad Section postponed its annual convention to be held at Pittsburgh on the 27th in order that its members might render such extra service that they might be called upon to perform on account of the strike. Railroad members of the association all over the United States have been engaged in all sorts of extra duty, such as firing engines, throwing switches, running engines, etc. One switching crew on the Burlington made up entirely of civil engineers, performed work consistently in from fifty to sixty per cent less time than was occupied by the regular crew in performing the same duties.

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The New York Chapter of the American Association of Engineers recently endorsed the plan for bi-state action on the proposed Port Treaty between the states of New York and New Jersey. The chapter also recommended that at least one engineer from each state be appointed a member of the commission. Mr. W. W. Drinker, railroad engineer of the New York-New Jersey Port and Harbor Development Commission, addressed the chapter.

The membership of the American Association of Engineers on April 15 was 16,007.

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### CHINESE TO BUILD RAILROADS.

HANKOW, China—A group of Chinese capitalists are arranging for the establishment of a street car system for the city, estimated to cost $4,000,000

# ADVANCE NEWS
## Official Proposals, Etc.

# Building.

## APARTMENT HOUSES.

Segregated Figures Being Taken.
APARTMENTS Cost, $85,000
SAN FRANCISCO. Western Addition.
Three-story frame apartment house (42 2 and 3 room apts.)
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Completing Working Drawings. Ready for Figures in Ten Days.
APARTMENTS Cost, $35,000
SAN FRANCISCO. Bush Street. Lot 25x100.
Five-story and basement reinforced concrete apartments (7 3 and 4-room apts.)
Owner—Withheld.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Contracts Awarded.
APARTMENTS Cost, $25,000
SAN FRANCISCO. W Hyde 87-6 N Geary Street.
Three-story reinforced concrete (6) apartments.
Owner—N. Rouda.
Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.
The following contracts have been awarded:
**Concrete and Steel Work**—R. J. H. Forbes, Monadnock Bldg.
**Plumbing**—James & Drucker.
**Plastering**—J. H. Smith.
**Painting**—Zimmerman.
**Electric Work**—American Electric & Engineering Co.
**Hardwood Floors**—Inlaid Foor Co.
**Marble Work**—Vermont Marble Co.

Plans Being Prepared.
ALTERATIONS Cost, $8,000
SAN FRANCISCO. Lake Street.
Alter two-story frame residence into 4 3-room apartments.
Owner—Withheld.
Architect—Fabre & Thayer, 110 Sutter St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $50,000
SAN FRANCISCO. S Post 137 E Hyde.
Four-story and basement reinforced concrete apartments (16 apts).
Owner—Hyman M. Ratner, 851 Post St., San Francisco.
Architect—Albert Schropfer, Nevada Bank Bldg., San Francisco.
Contractor—Louis D. Stoff, 845 Hyde St., San Francisco.

## BANKS.

Plans to be Prepared.
BANK & STORE BLDG. Cost, $——
VALLEJO, Solano Co., Cal. Georgia St. in the 600 Block.
Four-story concrete bank and store building, 50x130.
Owner—Central Bank of Vallejo, 318 Georgia St., Vallejo.
Architect—Not Selected.

Plans Being Prepared.
BANK BLDG. Cost, $70,000
RICHMOND, Contra Costa Co., Cal. 9th and Macdonald Avenue.
One-story reinforced concrete and terra cotta bank building.
Owner—Mechanics Bank, 8th and Macdonald Ave., Richmond.
Architect—Jas. T. Narbett, 906 Macdonald Ave., Richmond.

Plans Being Prepared.
BANK, ETC. Cost, $——
LOS ANGELES, Cal. SW Sixth and Western Avenue.
Three-story and basement brick reinforced concrete and steel bank, store and apartment building, 73 x150.
Owner—Mrs. Mary M. Costello.
Architect—Edelman & Barnett, 826 H. W. Hellman Bldg., Los Angeles.

## BONDS.

WILLOWS, Glenn Co., Cal.—Bonds of $18,000 with which to finance construction of a new school building have been voted in the Jacinto School District.

VISALIA, Tulare Co., Cal.—Bids will be received by the County Supervisors up to May 17th for the purchase of the $112,000 bond issue of the Visalia High School District. Proceeds of the sale will finance construction of school improvements.

VENTURA, Ventura Co. Cal.—No bids were received by the county supervisors for the $36,000 bonds of the Oxnard and the $85,000 bonds of the Moorpark school districts. The bonds will be readvertised and in the meantime private purchasers will be sought.

MODESTO, Stanislaus Co., Cal.—Bonds of $50,000 have been voted to finance the purchase of a tract of 70 acres in the southwestern section of the city for an aviation field, fair grounds and recreation park.

REWARD, Kern Co., Cal.—Bonds of $75,000 have been voted in the Olig School District to finance construction of a new school building.

BAKERSFIELD, Kern Co., Cal.—No bids were received by the Kern County Supervisors for the purchase of the $200,000 Kern County High School and $300,000 Bakersfield grammar school bonds.
It is planned to sell the bonds through private sales.
Architects Wiseman & Biggar of Bakersfield, were commissioned to prepare the plans.

## CHURCHES.

RICHMOND, Contra Costa Co., Cal.—Formation of a committee to seek funds with which to erect a new church building for the First Baptist Church is being considered by Rev. H. C. Berry, Pastor, 455 Wall street, Richmond.

## FACTORIES & WAREHOUSES.

Ready for Figures Friday.
FACTORY Cost, $75,000
OAKLAND, Alameda Co., Cal. 20th St. near San Pablo Avenue.
Three-story reinforced concrete factory building.
Owner—California Peanut Co.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

Figures to be Called For April 28th.
SHED Cost, $60,000
SAN FRANCISCO. Pier No. 20.
Extend pier 150 feet and erect one-story shed (creosoted piles).
Owner—Board of State Harbor Commissioners.
Engineer—F. G. White, Ferry Bldg., San Francisco.

Low Bidder. Contract to be Awarded.
WAREHOUSE
Cost, $54,000 approximately.
SAN FRANCISCO. SE Eleventh and Howard Streets.
One-story and basement Class "C" warehouse.
Owner—Withheld.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Wm. Martin.

Plans Being Figured.
WAREHOUSE Cost, $40,000
SAN FRANCISCO. Sixteenth Street and San Bruno Avenue.
Two-story reinforced concrete warehouse, 88x100.
Owner—Lick School of Mechanical Arts 16th and Utah St., San Francisco.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
NOTE:—Figures are being taken for a general contract.

Contract Awarded. Excavation Started
PACKING PLANT Cost, $30,000
SANTA ROSA, Sonoma Co., Cal. College Avenue, Bet. Cleveland Avenue and North Western Pacific Tracks.
Jam packing plant, 80x80.
Owner—Roscoe Haegelin, Call Bldg., San Francisco.
Contractor—A. M. Hildebrand, Santa Rosa.
NOTE:—When the jam plant is completed work will be started on pickle sheds, 100x200.

Owners Taking Figures.
MFG. BLDG. Cost, $14,000
EMERYVILLE, Alameda Co., Cal.
Reinforced concrete manufacturing

building (1st unit of engine and tractor factory).
Owner—Doble Co., Call Bldg., San Francisco.
Architects—Hutchinson & Mills, Oakland.

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LODI, San Joaquin Co., Cal.—The City Trustees, H. S. Clark, City Clerk, has granted a building permit to the T. H. Peppers Company, representing the American Fruit Growers', Inc., to erect a $20,000 dehydrating plant on Seaton avenue. On completion of this building the company plans the erection of an additional structure of another type.

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Plans Being Figured.
FACTORY BLDG. Cost, $——
LOS ANGELES. Corner of Eighth and Figueroa Streets.
Six-story and basement reinforced concrete Class "A" factory building, 200x180.
Owner—Brownstein-Louis Co.
Architect—John Parkinson, 429 Title Insurance Bldg., Los Angeles.

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Contract Awarded.
SEATTLE, Wash. No. 4100 East Marginal Way.
Seven-story fireproof flour mill (daily capacity of 1000 bbls).
Owner—The Centennial Mill Co., Hoge Bldg., Seattle, Wash.
Engineers & Contractors—Schrack Contracting & Engineering Co., Kansas City, Mo.
Piling work is now being completed and work on the structure will be started shortly.

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Plans Being Prepared.
FACTORY Cost, $——
WILMINGTON, Los Angeles Co., Cal.
Four-story and basement Class "A" reinforced concrete and hollow tile factory, 44x92.
Owner—Vegetable Oil Products Co.
Architect—Edw. C. Taylor and E. W. Taylor, Engineer, Merritt Bldg., Los Angeles.

## GARAGES.

Plans Complete.
GARAGE Cost, $———
SAN FRANCISCO. Laguna, Fulton and Ash Avenue.
One-story Class "A" garage building, 110x120.
Owner—Harry P. Braig.
Lessee—The White House.
Architect—Henry Shermund, Hearst Bldg., San Francisco.
Plans Being Prepared.
GARAGE Cost, $40,000
SAN FRANCISCO. SW Sutter and Laguna Streets.
One-story concrete and brick garage.
Owner—Withheld.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

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Contract Awarded.
GARAGE, ETC Cost, $16,000
HANFORD, Kings Co., Cal. Corner Harris and E-Seventh Streets.
One-story brick garage and auto sales room.
Owner—Kings County Motor Co., Hanford.
Architect & Contractors—Trewhitt-Shields Co., Fresno.

Owners Taking Sub-Figures.
GARAGE Cost, $70,000
SAN FRANCISCO. W Beale 137-6 N Mission Street.
One-story and basement reinforced concrete garage (pile foundation).
Owner—McKillop Bros., 540 Cole St., San Francisco.
Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.

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Plans Being Prepared.
GARAGE, ETC. Cost, $50,000 including equipment.
CHICO, Butte Co., Cal. Second and Flume Streets.
One-story fireproof garage and auto sales room, 132x132.
Owner—The Miller Automobile Co., C. M. Coffing, Manager, Chico.
Architect—Not Given.

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Plans Being Prepared.
GARAGE Cost, $25,000
SAN FRANCISCO. Geary Street.
One-story reinforeced concrete garage.
Owner—Withheld.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

## GOVERNMENT WORK AND SUPPLIES.

SAN FRANCISCO—Bids will be received by the U. S. Engineer Office, 240 Montgomery street, up to 10 A. M., May 12th for 5000 ft. (15 ft. lengths) 20" nominal diameter shore line pipe, delivery to be made f. o. b. regular wharf, Rio Vista, Solano County. Alternative bids will be cosnidered for delivery at other points.

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BENICIA ARSENAL, Cal.—The following bids were received April 26th, by E. P. O'Hern, Commanding Officer at Benicia Arsenal for the installation of hot water heating systems in Quarters Nos. 25, 26 and 27, Benicia Arsenal.

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|---|---|
| Thos. Kennedy, Martinez | $2,165 |
| J. E. O'Mara, San Francisco | 2,833 |
| Atlas Heating & Ventilating Co., San Francisco | 3,033 |
| Burnham Plumbing Co., S. F. | 3,078 |
| Knittle-Cashel Co., S. F. | 3,427 |
| James & Drucker, S. F. | 3,739 |
| W. K. Nottingham, Oakland | 4,052 |

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WASHINGTON, D. C.—The following appropriations have been made by the U. S. Senate for improvements on this coast:

$1,000,000 for Naval base on San Francisco Bay.

$1,050,000 for Fuel oil storage plant at Puget Sound.

$1,000,000 for Fuel oil storage plant at Pearl Harbor.

$500,000 for submarine base at San Pedro; $100,000 for submarine base at Port Angeles, Washington; $125,000 to $150,000 for improvements at Yerba Buena training station (San Francisco Bay), and Pearl Harbor Station, $890,000 to $1,080,000.

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WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C. for furnishing and delivering materials under the following schedules; the date of opening bids is noted at end of each paragraph:—

Schedule 5973, f. o. b. works, 25 target projectiles, opening of May 7.

Schedule 5980, for Mare Island, copper, brass and iron wire cloth and 2,880 brass screweyes, opening of May 4.

Schedule 5982, for Mare Island, 2 annealing furnaces, opening of May 18

Schedule 5993, for Mare Island, 35 reducing and pop valves, opening of May 14.

Schedule 5997, for Mare Island, 50,000 pounds asbestos plaster, opening of May 18.

Schedule 6002, for Mare Island, 15,000 square feet expanded metal lathing, opening of May 18.

Schedule 6003, for Mare Island, cold storage of butter, opening of May 7.

Schedule 6008, for Mare Island, sienna, vermilion, American blue, lampblack, scarlet, umber and chrome yellow, opening of May 18.

Schedule 6011, f. o. b. works, 12 gasoline tanks, opening of May 11.

Schedule 6025, for Mare Island, electrodes, plug and point compound, opening of May 18.

Schedule 6027, for Mare Island, 40,000 pounds rice, opening of May 18.

Schedule 6028, for Mare Island, 650,000 pounds evaporated milk, opening of May 18.

Schedule 6029, for eastern and western yards, corn brooms, opening of May 21.

Schedule 6037, for Mare Island, 100,000 pounds ingot manganese bronze, opening of May 21.

Schedule 6038, for Puget Sound, 20 telephones and spare parts, 4 transmitters and indicators, 1 steering telegraph system indicator, 26 gongs and 60 mercurial thermometers, opening of May 21.

For further information address the bureau of supplies and acounts, Navy Department, Washington, D. C.

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SEATTLE, Wash.—Up to 2 P. M., May 10th, bids will be received by the Alaskan Engineering Commission, Seattle, under Reqn., No. SC-2389 for furnishing and delivering the following materials: fire clay, saws, picks, shovels, hickory pick handles, tinners' tools, gasoline blow torch, melting ladle, 1 set Engineers' packing tools, wood tackle blocks, copper tubing, files and belt punches.

## HALLS & SOCIETY BUILDINGS

Plans Being Prepared.
LODGE BUILDING Cost, $650,000
PORTLAND, Ore. 11th and Adler Sts.
Four-story fireproof lodge building and stores.
Owner—Elk's Temple Association.
Architects—Houghtaling & Dougan, Henry Bldg., Portland, Ore.
W. W. Lucius will act as engineer and Architect Emil Schacht of Portland will supervise construction.
NOTE:—Owing to the height of the ceilings the structure will be practically eight stories high.

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SAN JOSE, Santa Clara Co., Cal.—The Scottish Rite Masonic body of this city has purchased a 50-vara lot at the southeast corner of Third and St. James streets and plans the erection of a modern Scottish Rite Temple, ranging in cost from $150,000, to $200,000.

No architect has been selected as yet according to officers of the lodge, as the building will not be constructed for many months

SACRAMENTO, Cal.—The Sacramento Chamber of Commerce is planning to erect a fireproof building for their own use on their Seventh St. property. When construction will be started has not been decided, neither has an architect been selected.

Plans Being Completed.
CLUB HOUSE Cost, $15,000
PORTERVILLE, Tulare Co., Cal. E and Cleveland Streets.
Club house.
Owner—Woman's Improvement Club, Porterville, Cal.
Architect—Claire C. Morris, Porterville, Cal.
Architect Morris is preparing the plans free of charge. Contractors have offered to figure the structure on a non-profit basis.

Plans Being Prepared.
BUILDING Cost, $100,000
LYTTON, Sonoma Co., Cal.
Two-story reinforced concrete building.
Owner—Salvation Army Home for Boys and Girls, Lytton, Cal.
Architect—Norman Coulter, 46 Kearny St., San Francisco.
NOTE:—This building will replace the one recently destroyed by fire. It will be known as the "Main Building," and will contain the executive offices, dining room, kitchen, rest, reading and play rooms and girls' dormitory.

## HOSPITALS.

Contract Awarded
HOSPITAL Cost, $100,000
WHITTIER, Los Angeles Co., Cal.
Two-story brick and hollow tile hospital, 160x40.
Owner—Simon J. Murphy.
Architects—Allison & Allison, Hibernian Bldg., Los Angeles.
Contractor—Austin-Murphy Co., 45 E. Green St., Pasadena.

McARTHUR, Shasta Co., Cal.—A corporation to build a modern hospital building in this town is being formed by farmers. It is planned to erect a structure costing $15,000, exclusive of equipment, which will bring the total amount up to $20,000.
Mrs. J. O. Osborn of Redding is interested in the proposed structure.

## HOTELS.

HANFORD, Kings Co., Cal.—Coates & Traver, Rowell Bldg., Fresno, have been retained by the hotel committee of the Board of Trade to prepare sketches for the proposed new hotel for Hanford. Geo. W. Harding of Sacramneto, has estimated the cost of a five-story building with 120 rooms a $225,000, and R. N. Felchin of Fresno, estimated the cost of a four-story building with 100 rooms and $250,000.

## POWER PLANTS.

OAKLAND, Cal.—Bids will be received by County Clerk Geo. E. Gross, up to May 17th, 10 A. M., for the erection and completion of an additional high pressure steam boiler at Arroyo Sanatorium, near Livermore.
Certified check of 10% payable to County Clerk required.

Plans Being Figured. Bids Close May 18, 7 P. M.
SUB-STATION. Cost,$——
ALAMEDA, Alameda Co., Cal. Webster St. and Atlantic Ave.
One-story reinforced concrete substation (with compartments).
Owner—City of Alameda.
Engineer—J. B. Kahn (City Electrician) South End of Park St., Alameda.
The pile foundation is now being constructed by Mervy-Elwell Company. Transformers, etc., awarded to the Westinghouse Elec. Mfg. Co.
Plans may be obtained at 2407 Santa Clara Ave., Alameda, on a deposit of $25.

## PUBLIC BUILDINGS.

Contract Awarded.
BAND STAND Cost, $5,635
RENO, Nevada. Powning Park.
Concrete band stand.
Owner—City of Reno.
Architect—Not Given.
Contractor—S. H. Newton, Reno, Nev.

## RESIDENCES.

Contract Awarded on a Percentage Basis.
RESIDENCE Cost, $19,887
BERKELEY, Alameda Co., Cal.
Two-story frame and plaster residence (11 rooms.)
Owner—C. O. Flint, Plaza Drive, Oakland.
Architect—B. G. McDougall, 301 Alta Bldg., San Francisco.
Contractor—E. T. Leiter & Son, Central Bank Bldg., Oakland and Call Bldg., San Francisco.

Plans Being Prepared.
RESIDENCE Cost, $20,000
SAN FRANCISCO. Washington Street Bet. Buchanan and Laguna.
Two-story and basement frame and plaster residence (10 rooms).
Owner—Withheld.
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.

Plans Being Figured
RESIDENCE Cost, $——
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame and plaster residence (14 rooms).
Owner—Cyril Tobin.
Architects—Weeks & Day, Phelan Bldg., San Francisoc.

Plans Being Figured.
RESIDENCE Cost, $7,000
OAKLAND, Alameda Co., Cal. Hillcrest Road, Claremont District.
Two-story frame and plaster residence
Owner—Chas. R. Stone.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
NOTE:—Figures are being taken for a general contract.

Preliminary Plans Being Prepared.
COTTAGE, ETC. Cost, $50,000 and $20,000 respectively.
NAPA, Napa Co., Cal. Napa State Hospital.
Brick or concrete nurses' cottage and one-story laboratory buildings.
Owner—State of California.
Architect—Benj. G. McDougall, State Architect, Sacraemnto.

Plans Being Prepared.
RESIDENCE Cost, $10,000
WATSONVILLE, Santa Cruz Co., Cal.
Two-story frame residence and garage (8 rooms).
Owner—L. Cikuth.
Architects—Wyckoff & White, 328½ Main St., Salinas.

Contract Awarded.
RESIDENCE Cost, $36,000
PIEDMONT, Crocker Terrace Lot 20.
Two and one-half-story frame residence.
Owner—R. H. Marchant, Pantages Bldg., Oakland.
Designer and Contractor—L. L. Lucas, 545 59th St., Oakland.

Contract Awarded.
RESIDENCE Cost, $6,000
SAN FRANCISCO. E 21st Avenue 200 S Balboa Street.
Six-room frame residence.
Owner—Malvin A. Sichel, 337 Webster St., San Francisco.
Architect—None.
Contractor—Alex MacKillop, 40th Ave and Balboa St., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. Near Dolores Street
Alter two-story frame residence into 2 6-room flats (with 2 garages, social hall and roof garden).
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

Owner to Take Figures.
BUNGALOWS Cost, $5,000 each
SAN MATEO, San Mateo Co., Cal. San Mateo Park.
Seven one-story frame bungalows.
Owner—Louis Stickler, Call Bldg., San Francisco.
Architect—A. A. Cantin, 727 Foxcroft Bldg., San Francisco.

Plans to be Prepared.
COTTAGES Cost, $3,800 to $4,200
CHICO, Butte Co., Cal. South of Chico, Bet. Chico Creek and Edgar Slough
Eight or ten one-story frame cottages.
Owner—L. M. Culver, Chico.
Architect—Not Given.

Plans Being Prepared.
RESIDENCE Cost, $——
SAN FRANCISCO. Fulton Street and Parker Avenue.
Class "A" residence for the Jesuit Priests.
Owner—Mrs. Bertha L. Welch (Lewis Welch, 244 California St., in charge.)
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $25,000
DELANO, Kern Co., Cal.
Two-story frame residence (9 rooms and three bathrooms, also barn, tool house and garage with servants' quarters).
Owner—Mr. Wallace.
Architect & Contractor—Joseph F. Rhodes, 415 Central Bldg., Los Angeles.

## SCHOOLS.

FRESNO, Fresno Co., Cal.—The Fresno Board of Education has awarded the following contracts for the construction of the Fresno High School build-

ings from plans prepared by Architects Coates & Traver, Rowell Bldg., Fresno.

R. F. Felchlin, Rowell Bldg., Fresno, is superintendent of construction.

**Carpentry Work,** Hayes Oser Co., San Francisco, $278,427; **(2) Concrete Work,** Frederickson & Shannon, Fresno, $69,172; **(3) Reinforcing Steel Work,** Edward L. Soule, S. F., $37,105; **(4) Structural Steel and Mis. Iron,** Western Iron Works, S. F., $18,880; **(5) Orn. Iron Work,** C. J. Hillard, S. F., $13,191; **(7) Lathing,** McGruer & Simpson, S. F., $29,633; **(8) Plastering,** McGruer & Simpson, $30,759; **(9) Modelling,** McGruer & Simpson, $2,838; **(10) Mill Work,** Pacific Mfg. Co., S. F., $47,555; **(11) Roofing (composition),** Richmond Roofing Co., $5,253; **(12) Roofing (tile),** C. L. Passmore, Los Angeles, $11,979; **(13) Plumbing,** Barrett & Hicks, Fresno, $31,323; **(14) Heating and Ventilating,** L. B. Luppen, Sacramento, $53,000; **(15) Electric Work,** Valley Electric Supply Company, Fresno, $49,190; **(16) Ceramic Tile Work,** Fresno Marble & Tile Works, $1,300; **(18) Patent Sash Hardware,** Hauser Window Co., S. F., $1,743; **(19) Time Clocks,** Standard Electric Time Co., S. F., $4,450; **(21) Blackboards,** Pacific Coast Blackboard Co., Los Angeles, $7,057; **(22) Sheet Metal Work,** Standard Sheet Metal Works, $5,558; **(23) Painting,** Joe Stretter, Fresno, $27,825; **Glazing,** Tyre Bros., $9,667.

NOTE:—All contracts were awarded except the brick work and patent toilet partitions, for which the low bidders were: Chas. Hock, S. F., $147,950 and C. Jorgensen, S. F., $2,795 respectively.

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Plans Being Figured.
GYMNASIUM Cost, $25,000
DOS PALOS, Merced Co., Cal.
Two-story frame and plaster gymnasium.
Owner—Dos Palos High School District.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.

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Plans Being Figured. Bids Close May 19, 1920, 9 A. M.
SCHOOL Cost, $——
LOS ANGELES, Cal. No. 3327 Kerchoff Ave., San Pedro.
One and two-story brick school building.
Owner—City of Los Angeles Board of Education.
Architects—Hunt & Burns, 701 Laughlin Bldg., Los Angeles.
Separate figures will be taken for a general contract, plumbing and heating.

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Plans Being Figured. Bids Close May 12th, 3 P. M.
ALTERATIONS Cost, $——
McFARLAND, Kern Co., Cal.
Alterations and additions for school building.
Owner—McFarland School District, P. L. Higley and Mrs. Rose Stimpson, Trustees.
Architect—Orville L. Clark, Brower Bldg., Bakersfield.

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Contract Awarded.
AUDITORIUM, ETC. Cost, $26,800
BIGGS, Butte Co., Cal.
One-story frame gymnasium and auditorium.
Owner—Biggs Union High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—W. R. Campbell, 3521 J St., Sacramento.

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Plans Being Figured. Bids Close May 19, 1920, 9 A. M.
SCHOOL Cost, $——
LOS ANGELES, Cal. No. 1822 6-7th Street
One and two-story brick and hollow tile school building, 220x132

Owner—City of Los Angeles Board of Education.
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.
Separate bids will be received for the general work, plumbing and heating.

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Figures to be Called For Shortly.
SCHOOL BLDGS. Cost, $120,000
DINUBA, Tulare Co., Cal.
Hollow tile and stucco high school buildings (gymnasium, manual training, domestic science and additions to academic building).
Owner—Dinuba Union High School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
Manager of Construction—Trewhitt-Shields Co., Rowell Bldg., Fresno.

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Plans Being Prepared.
ADMINISTRATION BLDG.
Plans Being Prepared.
SCHOOL Cost, $30,000
KLAMATH FALLS, Oregon.
One-story and basement brick school, 87x67 (4 class rooms with auditorium and playrooms in basement).
Owner—Klamath Falls School District
Architect—E. E. McClaran, Lumber Exchange Bldg., Portland, Ore.

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Plans Being Figured. Bids Close May 22,1920, 2 P. M.
SCHOOL COST, $150,000
BISHOP, Inyo Co., Cal.
Two-story reinforced concrete high school building with 2 one-story wings.
Owner—Bishop Union High School District (Mrs. J. H. Stofflet, Clerk.)
Architect—W. H. Weeks, 75 Post St., San Francisco.
Plans and specifications may be obtained at the office of the clerk at Bishop or at the office of the architect, San Francisco, on deposit of $20. Bids will be taken separately for the general contract, blackboards, finish hardware, plastering, roofing, window shades, electric work, plumbing, sheet metal work, painting and heating. Certified check for 5% required.

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Plans Being Figured. Bids Close May 17th, 2 P. M.
SCHOOL Cost, $——
FAIRVIEW, San Benito Co., Cal.
Erection and completion of a two-room school building.
Owner—Fairview School District. Walter P. Flint, Wm. and Mary Dooling, Trustees.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Plans may be had from the office of the architect or the County Superintendent of Schools at Hollister on deposit of $20.
Certified check of 5% payable to Walter P. Flint, Chairman of the Board of Trustees of the District, required with each bid.

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Plans Being Figured. Bids Close May 8th, 10 A. M.
SCHOOL Cost, $——
EDGEWOOD, Siskiyou Co., Cal.
One-story brick school.
Owner—Edgewood School District.
Architect—Not Given.
Plans may be seen at the office of the Superintendent of Schools at Yreka, Cal. Trustees of the District are: E. H Caldwell, Geo. F. Behnke, Chas. Rantz.

Contract Awarded.
SCHOOL Cost, $360,000
CHICO, Butte Co., Cal.
Two-story brick high school building.
Owner—Chico High School District.
Architects—Woollett & Lamb, Physicians Bldg., Sacramento.
Contractor—Jas. L. McLaughlin, 244 Kearny St., San Francisco.
The contract was awarded on a general contract omitting temporarily the roofing, painting, terra cotta, sheet metal work and electrical work. Additional bonds will be voted on a direct tax levied for about $100,000 to complete this portion of the work.

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Plans Being Re-Figured. Bids Close May 14, 1920, at 4 P. M.
SCHOOL Cost, $185,000
BERKELEY, Alameda Co., Cal. Prince, King, Ashby and Ellis (Lincoln School).
Two-story brick and concrete school (23 rooms and auditorium).
Owner—City of Berkeley.
Architect—W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley.
Supervising Architect—W. C. Hays, 1st National Bk. Bldg., San Francisco.
Plans may be obtained from the offices of Mr. Hays, First National Bank Bldg., San Francisco, or Rm. 12, Wright Bldg., Center and Oxford Sts., Berkeley, on a deposit of $10.00.
Segregated bids are being taken as follows:
Excavation.
Concrete.
Carpenter work.
Structural iron.
Masonry.
Lathing and plastering.
Roofing and sheet metal.
Plumbing.
Electric work.
Painting.
Shades.
Linoleum.
Heating.

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Preliminary Plans Approved.
ADDITION Cost, $25,000
OAKLAND, Alameda Co., Cal. Piedmont School, Piedmont and Echo Avenues.
Frame addition to school.
Owner—City of Oakland.
Architect—Construction Dept. of Board of Education, Everson Bldg., Oakland.
NOTE:—Preliminary plans have been approved and working drawings ordered. Plans will be ready for figures in about three weeks.

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Plans Being Figured. Bids Close May 12, 1920.
GYMNASIUM Cost, $20,000
GONZALES, Monterey Co., Cal.
One-story frame and plaster gymnasium.
Owner—Gonzales High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

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Plans Being Figured. Bids Close May 15th, 7:30 P. M.
HEATING SYSTEM, ETC. Cost, $——
MONTEREY, Monterey Co., Cal.
Heating systems, window shades and program clock system for two concrete grammar school buildings
Owner—Monterey School District. A. G. Winton, Clerk, Monterey.
Architects—Paul V. Tuttle and Arthur W. Angel, Lighthouse Ave., Pacific Grove.
Plans may be obtained from the architects.

Commissioned to Prepare Plans.
SCHOOL Cost, $22,000
SAN JUSTO, San Benito Co., Cal.
One-story brick and frame school building.
Owner—San Justo School District.
Architects—Wyckoff & White, 328½ Main St., Salinas.

Plans Being Figured. Bids Close May 26, 1920, 7:30 P. M.
GYMNASIUM Cost, $120,000
SALINAS, Monterey Co., Cal.
Reinforced concrete gymnasium building for high school.
Owner—Salinas Union High School District.
Architects—Wyckoff & White, 328½ Main St., Salinas.
NOTE:—Additional bonds of $150,000 were recently voted to complete this portion of the high school group.
McLeran & Peterson, Hearst Bldg., were awarded the contract in March for three buildings at $235,400 omitting the gymnasium for which they were also the low bidders. Scott Co. have the heating and Anderson & Doherty the plumbing.

Plans Ready For Figures. Bids Close May 27, 1920.
SCHOOL Cost, $——
FRESNO, Fresno Co., Cal. Jefferson School.
Brick, frame and concrete school.
Owner—Fresno City School District. (J. R. Fontaine, Secretary).
Architects—Glass & Butner, Hearst Bldg., San Francisco.
NOTE:—An official call for bids will be advertised for shortly.

Plans Being Prepared.
AUDITORIUM, ETC. Cost, $40,000
SEATTLE, Wash. 65th N. E. and Ravenna Boulevard.
Two-story and basement brick auditorium and Parish House, 100x54.
Owner—Ravenna Presbyterian Church.
Architect—John A. C. Reutzer, Leary Bldg., Seattle, Wash.

Contracts Awarded.
SCHOOL Cost, $——
SAN FRANCISCO.
Three-story reinforced concrete school.
Owner—City and County of San Francisco.
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.
**General Contract** to Anderson & Ringrose, 320 Market St., San Francisco, $155,474.
**Plumbing** to A. Lettich, $10,934.
**Heating and Ventilating** to A. Lettich, $10,961.

HANFORD, Kings Co., Cal.—The Hanford Board of Education has selected Trewhitt-Shields Co., Cory Bldg., Fresno, as managers of construction for the $350,000 brick and hollow tile high school buildings to be erected in Madera, plans for which are being completed by Architects Coates & Traver, Rowell Bldg., Fresno.
Construction will be handled under the system used in erecting the school buildings in Fresno of which Trewhitt-Shields have charge.

ATASCADERO, San Luis Obispo Co., Cal.—E. G. Lewis has donaed a 12-acre site for the proposed union high school at Atascadero. An election will be held May 18 to vote on issuing $200,000 bonds for a building. Edward Black is president and Louis Cohen, secretary, of the high school board.

STOCKTON, San Joaquin Co., Cal.—No bids were received by the City Council for the installation of showers and toilets at Oak Park.

OILDALE, Kern Co., Cal.—Up to May 10th, 11 A. M. bids will be received by Orville L. Clark, Architect, Brower Bldg., Bakersfield, for furnishing and installing electric lighting fixtures in the Standard School Building at Oildale, Kern County.

Figures to be Called For This Week.
SCHOOLS Cost, $34,400
TRACY, San Joaquin Co., Cal. SW Central Ave. and Eleventh St.
Two school buildings (one-story brick and one-story hollow tile).
Owner—Tracy Grammar School District. J. H. Von Sosten, Clerk, Tracy, Cal.
Architect—W. J. Wright, Bank of Italy Bldg., Stockton, Cal.
NOTE:—Figures will be taken for a general contract.

Figures to be Called For Next Week:
SCHOOL Cost, $25,000
ROSS, Marin Co., Cal.
One-story frame school (6 rooms).
Owner—Ross School District.
Architect—C. A. Muessdorffer, Humboldt Bank Bldg., San Francisco.

Preliminary Plans Approved. Working Drawings Being Prepared.
SCHOOL Cost, $40,000
BERKELEY, Alameda Co., Cal. Sacramento and Rose Streets.
One-story frame grammar school.
Owner—Berkeley Board of Education.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
NOTE:—Figures will be called for about the end of May.

## STORES AND OFFICES.

Plans Being Figured.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. E Van Ness Avenue 30 N Eddy Street.
One-story and part basement and mezzanine reinforced concrete auto sales building, 37½ x109.
Owner—A. B. Harrison and H. F. Ramacciotti.
Architect—August Headman, Call Bldg., San Francisco.

Plans Being Figured.
ALTERATIONS
SAN JOSE, Santa Clara Co., Cal. South First Street.
Alterations to three-story store and office building.
Owner—Mrs. W. Leet.
Architect—Clarence Tantau, 251 Kearny St., San Francisco.

To be Done by Days Labor and Sub-Contracts.
STORES Cost, $48,000
SAN FRANCISCO. N Ellis 84 W Polk.
Two-story reinforced concrete stores.
Owner—O. H. Curtaz, 519 Hayes St., San Francisco.
Architect—Owner.

Plans Being Figured.
STORE BLDG. Cost, $15,000
SAN FRANCISCO. Grant Avenue near Pine Street.
One-story, basement and mezzanine concrete store building.
Owner—Withheld.
Architect—Arthur Hughes, Sharon Bldg., San Francisco.

Sub-Figures to be Called for Shortly. Preparing Site.
DEPARTMENT STORE Cost, $——
SACRAMENTO, Cal. 11th and J Sts.
Eight-story Class "A" department store building.
Owner—Weinstock, Lubin Co., Sacramento.
Manager of Construction—Frederick Whitton, 369 Pine St., San Francisco.
NOTE.—Dolan's Wrecking & Construction Co., 1639 Market St., San Francisco, have been awarded the contract for tearing down the present buildings.

Contracts Awarded.
OFFICE BLDG. Cost, $700,000
SAN FRANCISCO. SW Bush and Montgomery Streets.
Fifteen-story Class "A" office building.
Owner—Crocker Estate.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
**Steel awarded** to California Steel Co., Hobart Bldg., at aproximately $68,000.
**Erection of Steel** to John G. Williams Constr. Co., 519 California St.
**Terra Cotta** to Gladding, McBean Co., Crocker Bldg.
**Elevators** to Otis Elevator Co., Beach and Stockton Streets.

Plans Being Figured.
STORE AND OFFICE BLDG. Cost, $75,000.
SALINAS, Monterey Co., Cal.
Two-story reinforced concrete store and office building.
Owner—Farmers Mercantile Co.
Architects—Ralph Wyckoff and H. C. White, 328½ Main St., Salinas.
NOTE:—Figures are being taken for a general contract and bids will close in about ten days.

Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. Ellis St. near Fillmore.
Alter saloon into lobby, entrance and rooms for hotel.
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
NOTE:—Work will include fire escapes, exterior plaster, Oregon pine trim, etc.

Plans Being Figured.
CAFETERIA Cost, $——
SAN JOSE, Santa Clara Co., Cal. Near San Jose.
One-story frame public cafeteria.
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Composition floors will be used, considerable glazed tile and the most modern kitchen equipment.

Contracts Awarded.
OFFICE BLDG. Cost, $——
LOS ANGELES. NE 11th and Broadway.
Ten-story Class "A" office building, 65 x176.
Owner—Los Angeles Railway Co.
Architects Noerenberg & Johnson, 762 Pacific Electric Bldg., Los Angeles.
**Excavating** awarded to C. A. Edwards, 302 Equitable Bldg., Los Angeles.
**Terra Cotta** to N. Clark & Sons.
**Reinforcing Steel** to Southern California Iron & Steel Co.

SAN FRANCISCO—The F. J. Walker Co., Monadnock Bldg., have awarded the contract for furnishing the structural steel for the Federal Reserve Bank building to The American Bridge Co., Rialto Bldg., at approximately $200,000 on a tonnage basis.

Plans were prepared by Architect George W. Kelham and call for a four-story Class "A" building with foundations to support additional stories.

Plans Ready for Figures in Three Weeks.
STORES & OFFICES Cost, $30,000
WILLOWS, Glenn Co., Cal.
Two-story and basement reinforced concrete (3 stores and (12 offices.
Owner—Withheld.
Architect—Otto Deichmann, Willows, Cal.

## THEATRES.

Plans to be prepared.
THEATRE Cost, $350,000
OAKLAND, Alameda Co., Cal.
Class "A" motion picture theatre.
Owner—Kinema Investment Co. (Oliver and Emil Kehrlein).
Local Architect—Not Selected.
Supervising Architect—Chas. Lamb of New York.
NOTE:—Mr. Lamb will select a local architect to prepare the plans. Mr. Kehrlein is on his way to New York.

Plans to be Prepared.
THEATRE Cost, $300,000
FRESNO, Fresno Co., Cal. J St. No. 1317 to 1321.
Class "A" motion picture theatre.
Owner—Kinema Investment Co., (Oliver and Emil Kehrlein), Oakland and Fresno, Cal.
Local Architect—Not Selected.
Supervising Architect—Chas. Lamb of New York.
NOTE—Mr. Lamb will select a local architect to prepare the plans. Mr. Kehrlein is on his way to New York.

Plans Being Figured.
THEATRE Cost, $75,000
MARTINEZ, Contra Costa Co., Cal. Cor. of Ferry and Ward Streets.
One-story reinforced concrete theatre and store building, 1000 seats (3 or 4 stores).
Owner—A. A. McKeon, Walnut Creek.
J. R. Saul, Pacific Bldg., Representing Lessee.
Architects—Reid Bros., 105 Montgomery St., San Francisco.

### THE GREAT POTASH DEPOSITS OF GERMANY

The potash deposits of Germany, which were discovered by the Prussian Government in 1843 at Stassfurt while boring for rock salt and which occur in upper layers of rock salt in the plains of northern Germany, have been estimated to occupy a volume of 10,790,000,000 cubic meters and to contain 20,000,000,000 metric tons of potash salts, corresponding to about 2,000,000,000 metric tons of potash ($K_2O$), a quantity sufficient to supply the world for 2,000 years at the present rate of consumption. These beds, according to the United States Geological Survey, Department of the Interior, were first exploited about 1860, and have furnished practically the entire world's supply of potash for many years.

# Engineering.

## BRIDGES, DAMS & HARBOR WORK.

SANTA CRUZ, Santa Cruz Co., Cal.—The County Supervisors have ordered repairs to the Littlejohn bridge, under the emergency act, and have engaged N. M. Thies to supervise the work.
H. H. Miller is County Clerk.

The California Highway Commission has advised the Board of Supervisors of Santa Barbara County that the former will adopt the present bridge over the Santa Maria River, two miles north of the City of Santa Maria, as a part of the State highway, on the condition that the County of Santa Barbara bear the cost of replanking the bridge, and the Board of Supervisors has signified its willingness to cooperate to this extent.

EUREKA, Humboldt Co., Cal.—Up to 3 P. M., May 11th, bids will be received by Fred M. Kay, County Clerk, for the construction of a reinforced concrete bridge across Elk River on the State Highway in Road District No. 3.

On the same date bids will be considered for the construction of one steel cable suspension bridge across the North Fork of Mad River, and four wooden bridges across small creeks and gulches, all of said bridges being on the line of the Lord-Ellis Road in Road District No. 3, (all to be constructed under one contract).
Certified check of 10% required.

PORTLAND, Ore.—The Public Dock Commission has authorized the completion of plans for construction work at Municiual Pier No. 4, to accommodate increased shipping.

New construction includes a shed over the outer one-half of pier No. 2, which is nearing completion. As this pier is 1500 feet long the shed will be approximately 750 feet long and 180 feet wide. In addition it is proposed to build the substructure of pier No. 3 which will be 1500 feet in length and also the substructure of that portion of pier No. 5 which faces on slip No. 3. The estimates for this work have not as yet been compiled but it will be in excess of $500,000, according to Chief Engineer Hedgardt.

SACRAMENTO, Cal.—The State Highway Commission has authorized the calling of bids for the construction of piers and substructure of the Feather River bridge on the Oroville lateral.

Construction will be financed by the State and County of Butte.

VISALIA, Tulare Co., Cal.—Bids will be received by the County Supervisors up to May 8th, 10 A. M., for the construction of a bridge over the Kaweah River near Lemon Cove. L. A. Moye is County Surveyor.

SONORA, Tuolumne Co., Cal.—A petition has been received by the County Supervisors asking the construction of a bridge across Turnback Creek, above Tuolumne.

PASADENA, Los Angeles Co., Cal.—The city has secured a site in Annendale for a 1,000,000 gallon reservoir which will be constructed at a cost of $15,000.

SANTA BARABARA, Santa Barbara Co., Cal.—The Supervisors have instructed County Surveyor Owen H. O'Neill to make plans for the bridges to be erected on the Lompoc road for which $400,000 bonds were recently voted. Major Robert McGregor has charge of the Lompoc road improvement.

SANTA ROSA, Sonoma Co., Cal.—W. W. Felt Jr., County Clerk, will receive bids up to May 11th, 1:30 P. M., for two concrete bridges over Green Valley Creek on the Graton-Occidental road from plans by Lloyd Aldrich, County Highway Engineer.

SANTA ROSA, Sonoma Co., Cal.—County Engineer Lloyd Aldrich has been instructed to prepare plans for two reinforced concrete bridges. One to replace the wooden structure in West Grant street, just outside the city limits of Healdsburg, and the other to replace a wooden structure spanning a small creek in Alexander Valley.
W. W. Felt Jr. is County Clerk.

SACRAMENTO, Cal.—State Engineer W. F. McClure after a preliminary survey of the Devils Head watershed at the head of Putah creek, indicates a reservoir for the storage of water for the irrigation of lands in the Winters, Vacaville and Dixon section might be feasible.

McClure visited the site of the proposed reservoir a few days ago and interviewed several interested land owners near Dixon and Winters.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors have awarded a conract to Tumulty and Hall of Stockton at $1,477 for reflooring the Flood bridge over Mormon Channel, southeast of Linden. Other bidders were: M. B. White, $1,510 and Charles E. Crozier $1,806.29. Eugene D. Graham is County Clerk.

SALEM Ore.—Lyman Griswold, Engineer, 310 Railway Exchange Building, Portland, Ore., filed in the office of the state engineer four applications for permits to appropriate large amounts of water. The diversion is to be made for generating power for general commercial purposes, the applicant states. No details of works or cost are furnished. Following are the amounts asked for:

6,500 acre feet of water from McKenzie river, for storage in reservoir;

40,000 acre feet of water from the north fork of Santiam river, to be stored in reservoir;

350 second feet of water from Clear Lake Reservoir and Fish Lake Reservoir, to develop 50,000 horse power; total fall to be utilized, 1000 feet.

170 second feet of water from north fork of Santiam river, Whisky and Puzzle creeks and Marion Lake Reservoir, to develop 50,000 horse power; total fall to be utilized, 1450 feet.

OAKLAND, Cal.—Philip E. Harroun, the consulting hydraulic engineer employed by the Water Commission of the Eastbay cities—Oakland, Berkeley,

Alameda and Richmond—to make a survey of the water supply as related to these cities, has submitted his report to the commission. It has the unanimous approval of the Engineering Committee of the Commission.

Harroun recommends the undertaking of the Eel River project which will furnish a supply of 250,000,000 gallons daily and which would cost, if completed in one installation, $66,672,000.

If developed in three installments, the first unit, with a capacity of 50,000,000 gallons daily would cost $44,842,000; the second unit of 100,000,000 gallons, $20,160,000; and the third unit of 100,000,000, $25,477,000. The total cost of construction on the three-unit plan would be $90,479,000.

Engineer Harroun also considered the Sacramento and San Joaquin rivers, the McCloud River and the Hetch Hetchy projects as possible additional sources of water supplies for the East-bay cities.

The Eel river project, from present indications, seems to be favored.

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TURLOCK, Stanislaus Co., Cal.—The directors of the Turlock Irrigation District have entered into an agreement with the U. S. Government by the terms of which the working force of the Reclamation Service is to assist Consulting Engineer Wiley and District Engineer Meikle in the making of the detailed plans for the building of the Don Pedro dam and reservoir.

This work will include the plans, specifications and every detail of construction up to the point of letting the contract.

Government engineers will also have in charge the electrical survey by which will be determined the approximate amount of electrical energy that will be developed at Don Pedro dam and which the districts are relying on to help finance the project.

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OAKLAND, Cal.—The contract for re-dredging the quay wall basin in the inner harbor has been awarded by the City Council to the American Dredging Company. The work, which will cost approximately $30,000, will clear that portion of the inner harbor basin between the foot of Market and the foot of Clay street, which has been slowly filling with silt and mud.

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EUREKA, Humboldt Co., Cal.—In addition to other bids for bridge construction, bids will be received by the Humboldt County Supervisors up to May 11th, 2:30 P. M., for the construction of a cable suspension bridge across the Mattole River at Shield's Ford and for the construction of either a cable suspension bridge or a reinforced concrete bridge across said river at Mill Ford, in Road District No. 1.

Bids are asked on each bridge separately, and on a combination of the two cable suspension bridges, or on a cable suspension bridge at Shield's Ford and a reinforced concrete bridge at Mill Ford. Certified check of 10% required. Fred M. Kay is County Clerk.

## LIGHTING SYSTEMS.

SAN MATEO, San Mateo Co., Cal.—The Trustees at their last meeting decided to circulate petitions among property owners to insure early installation of an electrolier system throughout the business district.

## MACHINERY.

EL CENTRO, Imperial Co., Cal.—Until 10 A. M., May 11, bids will be received by directors of Imperial Irrigation District, Masonic Bldg., El Centro, for 20 all steel 16-yd. standard gauge dump cars with automatic side dump, immediate delivery f. o. b. Cantu. Bidders must submit plans and specifications as outlined in specifications to be furnished by the district. F. H. McIver, Secretary.

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MONTEREY, Monterey Co., Cal.—An application to construct and maintain a 3-inch oil pipe line in various streets and highways, through the city of Monterey has been filed with the City Council by the Associated Oil Company. Archie Kay is City Clerk.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

SACRAMENTO, Cal.—On May 3rd, the Sacramento County Supervisors, will discuss the proposition of creating a highway maintenance department.

The maintenance department is recommended by the county highway commission. Other bodies have appealed for the creation of such a department as provided for by legislative enactments.

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RED BLUFF, Tehama Co., Cal.—The Diamond Match Co., of Red Bluff, has been awarded the contract for furnishing 1,150 sacks of Portland Cement to the Red Bluff Union High School District at $3.99 per barrel. Other bids were: O'Connor Bros., and A. Pomesser, all of Red Bluff; and Henry Cowell Lime and Cement Co., of San Francisco at $3.99 per barrel. Cone and Kimball Co., of Red Bluff submitted a bid of $4.15 per barrel.

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LOS ANGELES, Cal.—The contract for building manholes and laying sewer pipe at the Silt Diversion Works, bids opened March 11, by the U. S. engineer officer, Los Angeles, Calif., has been awarded to the United Dredging Co., Los Angeles, Calif., at $5,999.

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OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention No. 20124 N. S., providing for the improvement of Paxton avenue from 35th avenue northwest by grading, constructing redwood curbs and concrete gutters and paving with an oil macadam.

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The Board of Supervisors of Yuba County recently requested the California Highway Commission to pass judgment upon certain types of road pavement, it being the intention of the Board of Supervisors to construct each year a number of miles of improved county highway, thus gradually creating a county highway system and paying for the same as the work progresses.

The Commission approved the concrete base pavement sections submitted by the Board of Supervisors but suggested the consideration of a base of reinforced concrete, five inches in thickness, the asphaltic surface to be added now or later as the financial ability of the county might permit.

C. C. Carleton, Attorney of the California Highway Commission since its organization, has been appointed Acting Secretary of the Commission until such time as a permanent Secretary is chosen. Mr. Carleton will continue to handle the legal work of the Commission in addition to the Secretarial duties.

The California Highway Commission has authorized certain grading and culvert construction on a day's labor basis at the northerly end of Tehama County, the sum of $8,000.00 having been allotted for such purpose.

The California Highway Commission has ordered the construction of concrete shoulders and a Topeka wearing surface on that portion of the coast highway between Perry Station and Morgan Hill, Santa Clara County, about four miles in length, on a day's labor basis, and has allotted the sum of $73,700.00 to cover the cost thereof.

The California Highway Commission has ordered the construction of one mile of Willite surfacing on the valley State highway near Castaic, Los Angeles County, on a day's labor basis, and has allotted the sum of $10,300 to cover the cost thereof.

The California Highway Commission has ordered the placing of a gravel surface on the State highway between Coppervale and Susanville, Lassen County, a length of about fifteen miles, on a day's labor basis, and has allotted the sum of $69,000.00 to cover the cost thereof.

The California Highway Commission has ordered the paving of certain exceptions on the coast highway in Santa Barbara County, a total length of 1.2 miles on a day's labor basis, and has allotted the sum of $31,400.00 to cover the cost thereof.

The California Highway Commission has ordered the construction of a reinforced concrete pavement through Summerland, Santa Barbara County, a length of about one mile, on a day's labor basis, and has allotted the sum of $20,000.00 to cover the cost thereof.

The California Highway Commission has ordered the back-filling of certain bridges and the completion of roadbed excavations between Ingot and Montgomery Creek in Shasta County on a day's labor basis.

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OAKLAND, Cal.—Up to 12 M., May 13th, bids will be received by L. W. Cummings, City Clerk, for the construction of an 8-inch vitrified pipe sewer in portions of Tompkins ave., as provided in Resolution of Intention No. 20125 N. S.

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RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, has passed resolution of intention No. 372 providing for the improvement of 23rd street, bet. Esmond avenue and the north city limits, by grading and paving with 6 inches of cement concrete with a wearing surface of as-

and construction of a 5½-inch thick asphaltic concrete pavement. Under Resolution No. 1486.

M. J. Desmond is City Clerk.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, has passed Resolution of Intention No. 1485 providing for the improvement of 39th street from Lot F, Wright & Kimbrough Subdivision No. 19 to Stockton Boulevard by constructing concrete curbs and gutters; placing 17 cast iron gutter drains with 6-inch vitrified ironstone sewer pipe elbows connecting same with 6-inch vitrified ironstone sewer pipe; constructing 8 concrete manholes with cast iron curbs and covers and an 8-inch vitrified ironstone pipe sewer; grading and constructing 5½ inch asphaltic concrete pavement.

SANTA ROSA, Sonoma Co., Cal.—Up to May 11th, 1:30 P. M., bids will be received by W. W. Felt Jr., County Clerk, for the construction of Section A, Healdsburg-Napa County highway of the Sonoma County Highway system.

Lloyd Aldrich is County Engineer.

BERKELEY, Alameda Co., Cal.—The City Council has awarded a contract to the Ransome-Randall Co., 28th and Poplar streets, Oakland, for paving portions of Page, Ninth and Tenth streets. The bid was $38,998.71.

FRESNO, Fresno Co., Cal.—The City Council, M. J. Desmond, Clerk, has passed resolutions for street improvements as follows:

Resolution No. 1216, for the construction of 6-inch lateral sewers with Y's for each 25-foot frontage in blocks 2, 4, 5, 6, 7, 9 and 11 of Palm Villa.

Blocks 3, 4, 5, 6, 7, 7½, 9, 10 11, 12, 13, 14, 19, 20, 21, 22, 23, of Hazelwood.

Blocks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, of Cedar Park.

Resolution No. 1217 for the construction of 6-inch lateral sewer in Plumas St., opposite the alley of Block 91 of Fairmont west to a point 132.5 feet east of block 91, including the construction of a manhole; the construction of a 6-inch lateral sewer from the newly constructed manhole to a point 20 feet south of block 91 and to a point 20 feet north of block 91; also the construction of a 6-inch lateral sewer from a manhole 132 ft. west of block 91 to a point north 20 feet and south 20 feet from block 91, including the placing of Y's at every 25-foot frontage.

Resolution No. 1214, the construction of cement concrete curbs and sidewalks in the west side of College Ave. from Floradora Ave. to Home Ave., and south side of Floradora Ave., from College Ave. to Van Ness Boul.

Resolution No. 1212, for the construction of concrete curbs and sidewalks in the east side of Moroa Ave. from Weldon Ave. to Cambridge Ave.

Resolution No. 1211, for the improvement of Hazelwood Boul. from Butler to California Ave., by grading, constructing cement concrete curbs and gutters, corrugated metal culverts and filling between curb lines.

Resolution No. 1213, for the improvement of Hamilton Ave., from Parallel Ave. to South Third St., as under resolution No. 1211.

Resolution No. 1215, improvement of Patterson Ave. from Blackstone Ave. to San Pablo Ave., as under resolution No. 1211, except that concrete sidewalys are included.

MADERA, Madera Co., Cal.—City Trustee David Adams will shortly present a resolution to the City Trustees providing for the paving of the approach to the D street bridge including the section from the north end of the bridge to the State highway. Mrs. Lillian W. Rhodes is City Clerk.

MONTEREY, Monterey Co., Cal.—The Granite Rock Co., of Salinas has filed a request with the City Council to be released from its contracts for the improvement of streets in the New Monterey district.

Attorney J. E. Gardber of Watsonville filed a lengthy opinion with the request for a release on the grounds that many errors were made in the proceedings for the work. Archie Kay is City Clerk.

STOCKTON, San Joaquin Co., Cal.—City Engineer W. B. Hogan has completed plans for the improvement of North street from Madison street to the state hospital property in California street by constructing an asphaltic concrete surfacing 4½ inches thick after compression over a 2½ inch gravel base, including the construction of concrete curbs, sidewalks and gutters.

The City Council has ordered the preparation of plans for the construction of new sidewalks in East Main street from A to E streets in the Fair Oaks district. The Council has abandoned the plan to pave the street, at least, for the present.

The council has approved specifications for the repairing, oiling and screening of 1,097,000 square feet of street surface in the city and will call for bids for the scarifying.

No bids were received by the Council for the paving with oiled macadam of the streets in Lomita Park, and the clerk has been instructed to re-advertise. A. L. Banks is City Clerk.

SAN FRANCISCO.—Construction of a sanitary sewer with overflow structure in Canal street easterly from Mission street has been authorized by the Board of Supervisors and funds made available.

A call for bids for this work will be issued by the Board of Public Works in the near future.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for a sewer in Sadie street and in Harrison avenue and its tributary streets.

S. A. Evans is city clerk.

CARSON CITY, Nevada.—At $23,339.-24 the contract for the grading of 2 miles of state highway from Lake View summit to the Schafer Ranch has been awarded to the Pitt-Taylor Syndicate. No other bids were submitted.

C. C. Cottrell is State Highway Engineer.

SANTA MONICA, Los Angeles Co., Cal.—Until 10 A. M., May 7, bids will be received by the City Clerk for improving Fourth street between Pico Blvd. and Colorado Ave., involving 86,-423 sq. ft. sheet asphalt pavement on 5-in. cement concrete base, 260 lin. ft. cement curb and 961 ft. vitrified pipe storm drain with appurtenances. Work will be done under Improvement Act of 1911. John A. Morton is City Engineer.

OROVILLE, Butte Co., Cal.—Work of surveying roads to be improved under the county road bond issue has so far progressed that County Road Engineer Polk contemplates calling for bids some time in May for the construction of certain units. It is probable that at that time bids will be called for the following:

Cana to State Highway, a distance of three miles; Biggs to East Biggs, three miles; Thermalito on Grand Avenue from the Oroville lateral to the Chico-Oroville road, three miles; Gridley west (Gridley-Colusa Road), six miles.

Following these, bids will be called for the Chico-Paradise Road via the Neal Grade, the bids to cover that distance from Camino Station on the State Highway to the beginning of the present crushed rock highway, a distance of about eight miles.

The Cana, Biggs and Thermalito Roads will be built of from four to six inches of crushed rock macadam, with asphaltum top. It is planned, if the bids will permit, to construct the Gridley and Richvale Roads with a heavier macadam. The Chico-Paradise Road type is yet to be determined.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have received petitions asking the improvement of Franklin Boulevard between Fourth and Sixth avenues; Santa Clara Way; and the alley between V. W. Twenty-ninth and Thirtieth streets.

EUREKA, Humboldt Co., Cal.—J. R. Porter, Civil Engineer, formerly with the State Highway Commission has been appointed as assistant to City Engineer H. H. Hannah. The appointment was confirmed at the last session of the City Council. Porter will succeed E. D. Boibin, who recently resigned.

## RAILROADS.

EUGENE, Ore.—The Modoc Lumber Co., which operates a big mill at Chiloquin, north of Klamath Falls, has announced the purchase of 40,000 acres of pine timber from the Oregon Land and Livestock Company. The timber lies in both Lake and Klamath County.

R. A. Booth, president of the Modoc Company announces that immediate construction of a railroad leading from the timber lands to the mill at Chiloquin will be undertaken.

LOTUS, El Dorado Co., Cal.—J. F. Corker, L. E. Flyin and W. G. Buchler of Georgetown, who are engaged in making the survey for the new lumber railroad in El Dorado County, are making their headquarters at Lotus. They now are running their lines a mile west of this town.

QUINCY, Plumas Co., Cal.—The Davies Lumber Corporation, Arthur Davies, President, has purchased 17,-000 acres of heavy standing timber in the McAlpin and Upland timber tracts and will immediately commence operations.

Preliminary steps are being taken for the erection of a huge box factory and saw mill, a hotel and a number of cottages, and a ten-mile standard gauge railroad.

# Official Proposals.

### BIDS WANTED FOR NEVADA STATE HOSPITAL BUILDING.

**NOTICE TO BIDDERS.**

NOTICE IS HEREBY GIVEN that the Board of Commissioners for the Care of Indigent Insane, Carson City, Nevada, will receive bids for the following items in the construction of an "Administration Building" on the grounds of the Nevada Hospital for Mental Diseases, near Reno, Nevada, according to official plans and specifications on file with said Commission, and the State Architect's Office, Reno, Nevada, viz:

1. General Construction.
2. Plumbing.
3. Electrical.

The drawings and specifications may be secured at the office of F. J. DeLongchamps, State Architect, Gazette Bldg., Reno, Nevada.

A deposit of $10.00 will be required for each set of drawings and specifications taken from the Architect's office.

Bids will be received at the office of the Commissioners for Care of Indigent Insane, Carson City, Nevada, not later than **11 A. M. on May 25, 1920.**

All bids shall be sealed in opaque envelopes and addressed to Commissioners for Care of Indigent Insane, Carson City, Nevada, and marked "Bid for Administration Building." Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the amount bid.

The Commissioners for Care of Indigent Insane reserve the right to accept or reject any or all bids.

Authorized this 23rd day of April, of Indigent Insane.

J. H. MYLES,
Clerk.

Board of Commissioners for Care of Indigent Insane.

**NOTE:**—The above is a two-story reinforced concrete building to cost approximately $200,000..

### BIDS WANTED FOR ADDITIONS & ALTERATIONS TO OFFICERS' QUARTERS.

SEALED PROPOSALS, indorsed "Proposals for Alterations and additions to Marine Officers' Quarters No. 1, Navy Yard, Mare Island, Cal., Specification No. 4134", will be received at the Navy Yard, Mare Island, California, **until 11 o'clock A. M., May 12th, 1920,** and then and there publicly opened, for making an addition of approximately 30-ft. 6 inches in width and 22-ft. 8 inches in length, two stories high to the two story quarters, with a porch and porte-cochere and approach driveway. In this connection it will be necessary to take out certain windows and doors with their frames from the existing east wall and replace same with new doors and frames connecting the existing rooms to the additional ones. Work in connection with the addition will consist of furnishing and installing concrete foundations, wood frame underpinning, floor joists, sub floors, hardwood floors, deadening, wood frame or stud exterior walls, interior partitions, interior lath, plaster and trim, exterior metal lath and plaster, tin roof on wood framing and sheathing, plumbing fixtures, and attendant sewer and piping connections, roof drainage, etc., and the furnishing and installing of all necessary sash and frames, doors and frames, interior and exterior trim, cornice work balustrades, porches, porch floors, columns, stairs, etc., together with the attendant painting, tinting, etc. The furnishing and installing of all electric lighting fixtures, switches, etc., and their wiring and connection to the existing system. The furnishing and installing of all radiators, valves, piping, etc. and their connection to the existing system. The furnishing of all materials and equipment necessary to construct an approach driveway or road connecting the existing road with the new porte-cochere. Drawings and Specifications No. 4134, may be obtained on application to the Commandant, Navy Yard, Mare Island, Cal. Deposit of a check or postal money order for Ten Dollars payable to the Chief of the Bureau of Yards and Docks is required as security for the safe return of the drawings and specifications within five days after the award of the conract.

E. L. BEACH, Commandant.

### NOTICE TO CONTRACTORS

Sealed proposals will be received by the undersigned **until two o'clock P. M., May 17, 1920,** for the construction of a bridge and appurtenances over the Virgin River near Bunkerville in Clark county, Nevada. Work consists of the following:

5600 cu. yds. excavation without classification.
108 cu. yds. Class "B" concrete complete in place.
4600 lineal ft. untreated timber piles complete in place.
115 M. Ft. B. M. timber trestle complete in place.
195,000 lbs. structural steel erected in place and painted.
888 lineal ft. guard rail.
700 " " control wier complete in place.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the county clerk's office in Las Vegas. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.

Carson City, Nevada.

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN, that bids for work, material and for the complete construction of a two-story brick building with an alternate bid for concrete walls, and for the removal of the present frame buildings known as the Domestic Science and the Manual Arts building from block 342 (the present site of Alhambra Union High School) in the town of Martinez, County of Contra Costa, State of California, to the new site of the proposed High School building in blocks 100, 101, 104, 105, 158 and 159 of the Original Survey of the town of Martinez will be received and publicly opened by the Trustees of the Alhambra Union High School District in Contra Costa County at the office of the principal of said school at the main high school building in the town of Martinez, County of Contra Costa, **between 10 o'clock A. M. and 10:30 o'clock A. M. of Friday, May 21, 1920.** A separate bid to be submitted for the installation in the above referred to buildings of program clocks, fire alarm and an intercommunicating telephone system. A separate bid to be submitted for the installation in said buildings of complete system of electric wiring; a separate bid to be submitted for the installation in said buildings of electric lighting fixtures; a separate bid to be submitted for the installation in said buildings of complete system of plumbing, gas piping and sewering. All bids to be in accordance with plans and specifications now on file in the office of J. E. Rodgers, Byron Brown Building, Martinez, California. Copies of plans and specifications may be had at the office of A. A. Cantin, Architect, 68 Post St., San Francisco, or Gazette Building, Martinez, California.

A deposit of $50.00 will be required as a guarantee of the return to the Board of Trustees of said High School of the plans and specifications taken for bidding or other purposes and will be refunded to the Contractor when the plans and specifications are returned in good condition. No bids will be received after the closing hour specified in this advertisement.

Accompanying each proposal shall be a statement stating the maximum number of working days the bidder will agree to fully complete the work of this contract in.

Time is of the essence of a contract that may be awarded under this notice and the least maximum time required to complete the work by the bidder will be considered by the Board in awarding the contract.

In awarding the contract, bidders will understand that it will be necessary to file two bonds with the contract, one to the extent of 50% of the amount of the contract for faithful performance of the work and the other for 50% of the amount of the contract known as a lien bond to secure the payment of labor and material. The form of all bonds shall comply with all laws covering the same and will be subject to the approval of the District Attorney of Contra Costa County.

Proposals shall be delivered to A. E. Dunkel, President of the Board of Trustees of Alhambra Union High School District, at the office of the principal of said school in said high school building between the hours hereinbetore stated. Said bids shall be enclosed in a sealed envelope addressed to the Board of Trustees of Alhambra Union High School District, Contra Costa County, California.

A certified check of 5% of the amount of the proposal payable to Alhambra Union High School District, California, must accompany each proposal.

Should the successful bidder fail to obtain a bond and sign a contract for the amount of his proposal, upon the contract being awarded to him, under this notice, his check will be forfeited to said district.

All checks will be returned to the unsuccessful bidders upon application at the office of the Clerk of the Board after the contract has been signed and bond furnished by the Contractor whose bid has been accepted.

The competency and responsibility of bidders will be considered in making any award under this contract.

The Board of Trustees reserves the right to reject any or all bids or any part of any bid.

Dated April 17, 1920.

A. E. DUNKEL,
President of the Board of Trustees of Alhambra Union High School District.

J. E. RODGERS,
Clerk of the Board of Trustees of Alhambra Union High School District.

### BIDS WANTED FOR U. S. HOSPITAL.

**NOTICE TO CONTRACTORS.**

SEALED PROPOSALS will be opened at the Office of the Commanding Officer, Benicia Arsenal, Cal., **at 11:00 A. M., May 15, 1920,** for the construction of a Hospital Building (Eight bed Infirmary) one-story, of hollow tile construction.

Drawings and specifications may be obtained from this office in the discretion of the Commanding Officer.

E. P. O'HERN,
Colonel, Ord. Dept., U. S. A., Commanding.

### BIDS WANTED FOR KITCHEN EQUIPMENT.

Your attention is invited to the fact that proposals will be opened in the near future on drawings and specifications No. 4097, covering Kitchen Equipment for six Barracks Buildings, Marine Corps Base, San Diego, California.

The drawings and specifications may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, 12th Naval District, Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The six kitchens are to be provided with modern and adequate equipment, which is to be properly installed and connected to steam, gas, vent, water, waste and drip services.

The estimated cost is $22,000.00.

Yours truly,
R. L. MORTON,
Lieutenant Commander (CEC), U. S. N. By direction of the Public Works Officer.

### NOTICE TO CONTRACTORS.

Attention is invited to the fact that proposals will be opened in the near future for the following work:

Drawings and specification No. 4114, covering Laundry, Bakery, and Refrigerating Plant, Industrial Building, Marine Barracks, Naval Base, San Diego, California.

The drawings and specification may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., to the Commandant, Twelfth Naval District, No. 417 Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. Navy, Timken Building, San Diego, California, by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The laundry equipment will consist of motor driven washers, extractors and tumblers, dry rooms, and electrically operated ironers and shapers and other accessories pertaining to a modern laundry. The Government will furnish some of this equipment, which will be installed by the contractor. The bakery equipment will consist of electric ovens, motor driven dough and cake mixers, dough moler, proofer divider, rounder, and other accessories necessary to equip an efficient bakery. The ice making and refrigerating plant will consist of duplicate, motor driven compressors, brine circulating pumps, an ammonia condenser, brine cooler, freezing tank, and other apparatus pertaining to a raw-water ice making plant, together with refrigerating equipment for the storage rooms. Included also as a part of the refrigerating equipment will be the meat tracks and hangers, and the insulation of the storage rooms. Connections are to be made to the electric, steam, return, waste, and water services.

The estimated cost is $55,000.00.

LEONARD M. COX,
Commander, C. E. C., U. S. Navy, Public Works Officer. (tf)

### STRIKE HALTS WORK ON SAN JOSE STORAGE PLANT.

SAN JOSE, April 29th.—Work was suspended today on the large cold storage plant on North First street which is being erected by the Security Warehouse and Cold Storage Company. The carpenters, numbering 50, walked out because Contractor Frank Hoyt refused to pay them the new scale of wages which went into effect March 5. When the carpenters walked out Hoyt laid off the rest of his crew, about 100 men being affected by the misunderstanding.

Hoyt claimed today he contracted to do this job as early as last December and that his contracts were placed on file at that time. "The new scale was not to affect old contracts," declared Hoyt. "I have my job about 75 per cent finished, and now the men want the new scale of wages, which I can't afford to pay under the terms I have contracted."

The carpenters, on the other hand, claim they have ascertained that Hoyt's job is not a contract job but a "percentage job," and therefore does not come under the old scale but the new scale.—San Jose News.

### FEDERAL TRADE COMMISSION.

The Federal Trade Commission has published the first volume of its Decisions, Findings, Orders and Conference Rulings. Bound copies may be obtained from the Superintendent of Public Documents for $1.50 apiece. The volume includes all cases passed on by the Commission from March 16, 1915 to June 30, 1919. Subsequent volumes will follow. The printing of the volume entailed considerable expense and for that reason the Commission adopted the policy of the Interestate Commerce Commission in not making general public distribution of the volume.

### SAN DIEGO ARCHITECTURAL ASSOCIATION ELECTS OFFICERS

The San Diego Architectural Association at its annual meeting elected W. Templeton Johnson president, Robert Halley, Jr., vice-president and Clarence E. Decker secretary and treasurer. Richard Requa was appointed chairman of a committee to arrange for the entertainment of the Southern California Chapter of the American Institute of Architects which will hold its regular meeting at San Diego on May 15.

### WATER IS DIFFICULT IN DESERT HIGHWAY WORK

Some of the difficulties of highway construction in the desert sections of Arizona are indicated by the statement that for the building of 11 miles of county highway from Gunsight toward Tucson in Pima county, it will be necessary to haul 2500 gallons of water daily a distance of 25 miles. This will be a gravel surfaced road and the cost will average about $6000 per mile.

### SUIT FILED IN RENO TO PREVENT CARRYING OUT OF PAVING CONTRACTS.

RENO Nevada.—The street improvements planned for Reno this year may be indefinitely delayed by a suit filed by W. F. Edwards and A. P. Lafranchino to enjoin the City Council from carrying out paving contracts made with Clark & Henry of Sacramento.

The suit charges that legal requirements have not been met and that a different material from that specified is to be used in pavements. The contract calls for an approximate expenditure of $137,000.

Work on the streets was to have been begun April 15th, but for some reason was delayed.

### STOCKTON ARCHITECTS PLANNING MANY NEW STRUCTURES.

STOCKTON, Cal.—Davis, Heller and Pearce, Belding Building, are preparing plans for a two story and basement reinforced concrete orphanage to be erected for the Odd Fellows Lodge in San Jose. The structure will cost in the neighborhood of $150,000. It is expected that construction will be started about May 15th.

In connection with the Hughson high school building Architects Davis, Heller and Pearce have awarded the following contracts:

Carpentry Work to Jos.. Chirhart, Stockton, $29,850.

Heating to Thos. Kennedy of Martinez at $5,230.

Plumbing to Miller-Hayes Co., of Stockton.

Painting to Keith Bros. of Ceres, for $5,425.

Roofing to Johns-Mansville Co. of San Francisco, $1,545.

New bids are being taken for the concrete, brick, plastering, and electrical work. The building will be two stories in height of brick construction. The estimated cost is $90,000.

The same architects are taking sub figures for the two story concrete office building to be erected in Sutter street, Stockton, for the Western States Gas and Electric Company at a cost of $65,000.

A high school building, estimated to cost $45,000, will be erected at Denair, Stanislaus County, from plans now being prepared by Architects Davis, Heller and Pearce. The building will be a one-story brick and concrete structure.

Up to May 17th, Architects Davis Heller and Pearce will receive bids for the erection of a grammar school at Salida, Stanislaus County, the estimate cost of which is $20,000. Bids will be received for general contract, plumbing, heating and electrical work.

Plans for a one-story, one room, school to be erected at Montpelier, Stanislaus County, at a cost of $10,000 will be completed by these architects in the near future.

In addition to the above projects, Architects Davis, Heller and Pearce are handling all school improvements under the recently voted bond issue in the city of Stockton.

### OPPORTUNITY TO DISPLAY AMERICAN TRACTORS AT CZECHO-SLOVAK FAIR.

Trade Commissioner Geringer cables from Prague Czechoslovakia, calling attention to the opportunity to display American tractors at the agricultural fair at Bratislava:

Czechoslovak Minister of Agriculture is interested in American tractors being exhibited at the agricultural fair at Bratislava, also known at Pressburg, in September. Shortage of horses and good financial condition of farmers insure sales. Team of two horses costs from 25,000 to 30,000 Czechoslovak crowns. The Government would aid in financing payment in American currency. Tractors of from 10 to 25 horsepower most desirable; over 15,000,000 acres under plow.

### BUYS TIMBER.

KLAMATH FALLS, Ore.—Bids were opened by Superintendent Walter G. West at the Klamath agency for the sale of 190,000,000 feet of timber in the Chiloquin unit, about 13,000 acres lying south of Chiloquin and east of Modoc ridge. The Chiloquin Lumber Company was the only bidder and was awarded the lot at a price of $4.00 a thousand for yellow pine and kindred timber.

### NEW COMPANY BUYS BIG LUMBER TRACT.

QUINCY, Cal.—Arthur Davies, who closed out his extensive lumbering interests in Mohawk valley several months ago, has again entered the lumbering industry here by organizing the Davies Lumber Corporation.

The new concern has purchased the McAlpine and Upland timber tracts in Plumas and Sierra counties, comprising about 17,000 acres of heavy standing timber, and are preparing for large lumbering operations. A big saw-mill and box factory is to be installed in the heart of the tract and about ten miles of standard gauge railroad will be built to a point on the Western Pacific Railroad near Hawley Station to afford an outlet.

The company will erect a thirty-room hotel administration building, cottages and other buildings at the mill site during the coming summer.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

## BUILDING CONTRACTS

### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 1087 | Doolan | Owner | 6000 |
| 1088 | Cronin | Pearson | 500 |
| 1089 | Brewer | Owner | 15000 |
| 1090 | McCay | Ricket | 500 |
| 1091 | City of S F | Anderson | 245000 |
| 1092 | Greenwald | Scott | 643 |
| 1093 | Famous Players | Forbes | 38950 |
| 1094 | Linder | Nelson | 8480 |
| 1095 | Nelson | Nelson | 18750 |
| 1096 | Wilson | Benson | 6900 |
| 1097 | Katschinski | Arras | 8600 |
| 1098 | Luttrell | Elvin | 4708 |
| 1099 | Peak | Miller | 800 |
| 1100 | Jackson | Leigh | 5000 |
| 1101 | Hart | Jensen | 500 |
| 1102 | Sibley | Owner | 500 |
| 1103 | Janssen | Owner | 11800 |
| 1104 | Borel | Diestel | 800 |
| 1105 | Nelson | Nelson | 10000 |
| 1106 | Cuppers | Matthies | 419 |
| 1107 | Newbauer | Matthies | 988 |
| 1108 | Cortopassi | Matthies | 1091 |
| 1109 | Britt | Matthies | 1795 |
| 1110 | Schroder | Matthies | 1156 |
| 1111 | Bullwinkel | Matthies | 1313 |
| 1112 | Macdonald | Wilson | 1057 |
| 1113 | Macdonald | Cal Elec. | 695 |
| 1114 | Macdonald | Barrett | 19,754 |
| 1115 | Bandy | Cameron | —— |
| 1116 | McCarty | Matthies | 748 |
| 1117 | Sawdon | Schaible | 500 |
| 1118 | Hopkins | Meyer | 3500 |
| 1119 | Sarvas | Owner | 1355 |
| 1120 | Friedman | Coburn | 7990 |
| 1121 | Friedle | Loaff | 6000 |
| 1122 | Baldwin | Owner | 3000 |
| 1123 | Ravn | Seghieri | 6000 |
| 1124 | Rohlffs | Munster | 1200 |
| 1125 | Samuels Indoor Adv. Co. | | 600 |
| 1126 | Crocker | Samuelson | 11400 |
| 1127 | Erlin | Owner | 500 |
| 1128 | Jong | Owner | 500 |
| 1129 | Holmes | Vogt | 9133 |
| 1130 | Com Un | Otis | 156,657 |
| 1131 | Sichel | MacKellop | 6000 |
| 1132 | Francesconi | Cal Cptr | 500 |
| 1133 | Camp | Owner | 2000 |
| 1134 | Johnson | Owner | 9800 |
| 1135 | Young | Owner | 500 |
| 1136 | Younger | Coburn | 1500 |
| 1137 | Anderson | Owner | 25000 |
| 1138 | Peterson | Peterson | 15000 |
| 1139 | Sullivan | Heaphy | 500 |
| 1140 | Healy | Barry | 8000 |
| 1141 | Train | Fulton | 1000 |
| (1142) | NO. 492 CASTRO ST., San | | |
| 1143 | Kingston | Owner | 9800 |
| 1144 | Lurie | Barrett | 100,000 |
| 1145 | Gunst | Braas | 950 |
| 1146 | Ratner | Stoff | 50,000 |
| 1147 | Whigham | Steiger | 3500 |
| 1148 | Janssen | Owner | 500 |
| 1149 | Met. Life Ins | Forderer | 64870 |
| 1150 | Lastis Prod Co | Owner | 750 |
| 1151 | Jacob | Fink | 500 |
| 1152 | Buckbee | Swenson | 500 |
| 1153 | Beck | Stern | 750 |
| 1154 | Wilkins | Morton | 1500 |
| 1155 | Gonzales | Owner | 1500 |
| 1156 | Bank of Italy | Federal | 50000 |
| 1157 | Associated Oil | Vogt | 4733 |

### PEMRTIS.

RESIDENCE
(1087) S GROVE 106-3 W Ashbury. Two-story and basement frame residence.
Owner—F. T. Doolan and wife. 410 15th Ave., San Francisco.
Architect—Owners.
Day's work. COST, $6000

ALTERATIONS
(1088) NO. 3425 GEARY ST. Move, raise and alter dwelling. Cement floor concrete foundation, etc.
Owner—M. M. Cronin, 3425 Geary St., San Francisco.
Architect—None.
Contractor—E. K. Pearson, 2372 Bryant St., San Francisco. COST, $500

RESIDENCE
(1089) W COMMONWEALTH AVE 50 N Euclid Ave. Two-story and basement frame residence.
Owner—A. K. Brewer, 1404 Baker St., San Francisco.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Day's work. COST, $15,000

ALTERATIONS
(1090) NO. 221 CHURCH. Alter for candy store.
Owner—Mrs. A. McCay, Premises.
Architect—None.
Contractor—James Ricket, 4083 17th St., San Francisco. COST, $500

SCHOOL
(1091) N PACIFIC AVE., bet. Baker and Broderick. Three-story reinforced concrete school.
Owner—City and County of San Francisco.
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.
Contractor—Anderson & Ringrose, 320 Market St., San Francisco. COST, $245,000

ALTERATIONS
(1092) NO. 1283 SIXTH AVE. Cut opening in basement for private garage; brick work, etc.
Owner—L. Greenwald, 438 Mills Bldg., San Francisco.
Architect—None.
Contractor—F. H. Scott, 1511 Ellis St., San Francisco. COST, $643

### RECORDED.

EXCAVATING, ETC.
(1093) SE GOLDEN GATE AVE AND Jones E 162-6 S 181-7⅞ SW 159-9 W 32-10½ N 275. Excavation, footings and retaining walls in concrete for Class "A" theatre building.
Owner—Famous Players Lasky Corporation, Pacific Bldg., S. F.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—Richard J. H. Forbes, Monadnock Bldg., San Francisco.
Filed Apr. 26, '20. Dated Apr. 26, '20.
1st portion of contract done.$12,700.00
Grading all done, sheet piling in place and free standing piers poured ..... 7,000.00
Street retaining walls done and curb reset and cast iron bases done ..... 7,000.00
Completed and accepted.... 2,512.50
Usual 35 days..... 9,737.50
TOTAL COST, $38,950.00
Bond, $38,950. Surety, Hartford Accident & Indemnity Co. Limit, 60 days. Forfeit, $2. Plans and specifications filed.
NOTE:—Permit applied for April 23, 1920, No. 1061.

FRAME DWELLING
(1094) E WESTWOOD DRIVE 165 N Wildwood being Lot 20 Blk 3165 Westwood Park. All work for one and one-half-story frame dwelling and garage.
Owner—Edith H. Linder.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Apr. 26, 20. Dated Apr. 19, '20.
Enclosed .....$2120
Brown coated ..... 2120
Completed and accepted..... 2120
Usual 35 days..... 2120
TOTAL COST, $8480
Bond, $5000. Sureties, Chas. Monson & Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Apr. 22, 1920, No. 1057

FRAME BUNGALOWS
(1095) N PLYMOUTH AVE 4 from SE line Lot 20 Blk 3109 NW 42 NE 120.114 SE 40 SW 111.720 Lot 20 Ptn Lot 19 Blk 3109 Westwood Park; NE Plymouth Ave SE 8 from SE line Lot 18 Blk 3109 NW 39 NE 103.224 SE 49.689 SW 94.995 Ptn Lots 17 and 18 Blk 3109, Westwood Park; N Plymouth Ave SE 6 from SE line Lot 16 Blk 3109 NW 39 NE 88.117 SE 47.037 SW 84.550 Ptn Lots 15 and 16 Blk 3109, Westwood Park. All work for three one-story frame bungalows.
Owner—Hans and Esther E. Nelson.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Apr. 26, '20. Dated Apr. 10, '20.
Frames up and enclosed.....$4687.50
Brown coated ..... 4687.50
Completed and accepted..... 4687.50
Usual 35 days..... 4687.50
TOTAL COST, $18,750.00
Bond, $9500. Sureties, Chas. Monson & Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Apr. 22, 1920, Nos. 1050 and 1051.

BUNGALOW
(1096) LOT 12 BLK 3134 Westwood Park. All work for one-story frame bungalow.
Owner—Hilda Wilson and Betty Benson, 1783 Waller St., S. F.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor—Oscar Wilson and Andrew J. Benson, 1783 Waller St., S. F.
Filed Apr. 26, '20. Dated Apr. 5, '20.
Enclosed ..... $1725
Brown coated ..... 1725
Completed and accepted..... 1725
Usual 35 days..... 1725
TOTAL COST, $6900
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Apr. 1, No. 830.

CONCRETE BUILDING
(1097) NW JESSIE 200 SW Fourth SW 25xNW 75. Excavation and grading, plain and reinforced concrete work, wood forms, roofing and galvanized iron work, dumbwaiter, plumbing, painting, electric work, metal frames and wire glass, etc., for two-story reinforced concrete building.
Owner—B. Katschinski, 825 Market St., San Francisco.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.
Contractor—Adam Arras, 110 Jessie St., San Francisco.
Filed Apr. 26, '20. Dated Apr. 21, '20.
Excavations & grading completed, concrete foundations, first story concrete walls and 2nd floor concrete poured .....$2150
Concrete work completed, including first story floor and roof on ..... 2150
Completed and accepted..... 2150
Usual 35 days..... 2150
TOTAL COST, $8600
Bond, $4300. Surties, Thos. L. Comyns and W. Williams. Limit, 50 days after recording contract. Forfeit, $5 per day. Plans and specifications filed.
NOTE:—Permit Reported Apr. 16, 1920, No. 1002.

ALTERATIONS
(1098) NOS. 2615-2617 SACRAMENTO. Tearing out old work, new rough and finished carpenter work, mill work, lathing and plastering, plumbing, electric work, tiling, painting and wood finishing, glass, hardware, roofing, etc., for alterations and additions to two-story, basement and attic frame building.
Owner—Pauline Morris Luttrell 2617 Sacramento St., San Francisco.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.
Architect—Arthur Elvin, 2965 Howard St., San Francisco.
Filed Apr. 26, '20. Dated Apr. 19, '20.
Old work removed and all new rough work installed, including rough plumbing and electric work and new roof on.....$1750
Completed and accepted..... 1781
Usual 35 days..... 1177
TOTAL COST, $4708
Bond, $2354. Sureties, C. Lieb and Edward Bangle. Limit, 50 working days after April 26th. Forfeit, $5 per day. Plans and specifications filed.
NOTE:—Permit reported Apr. 20, 1920, No. 1024.

## PERMITS.

ALTERATIONS

(1099) NO 25 CASANADA AVE., 1 story frame (private) garage.
Owner—Geo. Peak, 25 Casanada Ave.
Architect—None.
Contractor—E. R. Miller, 2299 Sacramento St., San Francisco.
COST, $800

(1100) E. 14th AVE. 365 N FULTON, 1 story and basement frame dwelling.
Owner—W. H. T. Jackson, 895 Noe St., San Francisco.
Architect—None.
Contractor—David Leigh, 840 44th Ave., San Francisco.
COST, $5,000

(1101) NE GREAT HIGHWAY AND BALBOA. Alter store fronts.
Owner—Geo. Hart, care of Architects.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Jensen.
COST, $500

(1102) NO. 543 GROVE ST. Install new doors—remove handpower elevator.
Owner—A. Sibley, Builders Exchange.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Day's work. COST, $500

(1103) E. 17th AVE. 325 and 350 S CABRILLO. Two 2 story and basement frame dwellings.
Owner—E. A. Janssen, 802 Hearst Bldg., San Francisco.
Architect—Fabre and Thayer, 110 Sutter St., San Francisco.
Contractor—None.
COST, $5,900 each

(1104) NO. 1674 WASHINGTON ST., Repair fire damage to flats.
Owner—F. M. Borel, 187 Delmar St., San Francisco.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco.
COST $800

## RECORDED.

BUNGALOW

(1105) LOT 22 BLK 3176, Westwood Park. All work for one-story bungalow and garage.
Owner—Hans Nelson, 1375 Plymouth Ave., San Francisco.
Architect—Chas. H. Strotthoff, 2276 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed Apr. 27, '20. Dated Mar. 26, '20.
Enclosed .....$2500
Brown coated ..... 2500
Completed and accepted..... 2500
Usual 35 days..... 2500
TOTAL COST, $10,000
Bond, $5000. Sureties, Chas. Monson and Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

MOVE RESIDENCE

(1106) SE SAN JOSE AVE 201.2 SW Ottowa; No. 2555 San Jose Ave. Moving, foundations, underpinning, enclosure, and steps for one and one-half-story frame residence.
Owner—Hugo A. and Sarah M. Cuppers. Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed Apr. 27, '20. Dated Apr. 21, '20
Building moved, foundations in and underpinning in.....$209
TOTAL COST, $11[illegible]
Bond, $210. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.

MOVE RESIDENCE

(1107) SE SAN JOSE AVE 183.75 SW Naglee being No. 2671 San Jose Ave. Moving, foundations, underpinning, etc., for two-story frame residence.
Owner—M. J. and L. Neuhauer, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed Apr. 27, '20. Dated Apr. 21, '20.
Moved and foundations in and enclosed .....$194
Completed and accepted..... 794
TOTAL COST, $988
Bond, $191. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 13.

MOVE RESIDENCE

(1108) SE SAN JOSE AVE 163.24 SW Foote being No. 2624 San Jose Ave. Moving, foundations, underpinning, etc., for one-story frame residence.
Owner—Angelo Cortopassi, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed Apr. 27, '20. Dated Apr. 21, '20.
Moved, foundations in and underpinning in .....$545
Completed and accepted..... 546
TOTAL COST, $1091
Bond, $546. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 13.

MOVE RESIDENCE

(1109) SE SAN JOSE AVE 81.62 SW Foote being No. 2621 San Jose Ave. Moving, foundations, underpinning, etc., for one and one-half-story and two-story frame residences.
Owner—James P. Britt, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed Apr. 27, '20. Dated Apr. 21, '20.
Moved, underpinning and foundations in .....$487
Completed and accepted..... 988
TOTAL COST, $1475
Bond, $988. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 13.

MOVE RESIDENCE

(1110) SE SAN JOSE AVE 40.51 SW Whipple being No. 2711 San Jose Ave. Moving, foundations, underpinning, etc., for one-story frame residence.
Owner—Doris Schroder, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed Apr. 27, '20. Dated Apr. 21, '20.
Moved and foundations in and enclosed .....$578
Completed and accepted..... 578
TOTAL COST, $1156
Bond, $578. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 13.

MOVE RESIDENCE

(1111) SE SAN JOSE AVE 146.81 SW Whipple being No. 2733 San Jose Ave. Moving, foundations, underpinning, etc., for one-story frame residence.
Owner—John F. Bullwinkel, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed Apr. 27, '20. Dated Apr. 21, '20.
Foundations in and underpinning in place .....$656
Completed and accepted..... 657
TOTAL COST, $1313
Bond, $657. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 13.

SERVICE BLDG.

(1112) N BUSH 275 E Grant Ave N 155xW 58.9. Plumbing, sewering and gas fitting for one-story Class "C" battery service building.
Owner—Macdonald Estate Co., Care Baldwin & Howell, 318 Kearny St., San Francisco.
Architect—Smith O'Brien, 712 Market St., San Francisco.
Contractor—Wm. F. Wilson Co., 323 Mason St., San Francisco.
Filed Apr. 27, '20. Dated Apr. 26, '20
Roughed in .....$400
Completed and accepted..... 392
Usual 35 days..... 265
TOTAL COST, $1057
Bond, none. Limit as fast as required. Forfeit, $10. Plans and specifications filed.
NOTE:—Permit reported April 24, 1920, No. [illegible]

(1113) ELECTRIC WORK ON ABOVE
Contractor—California Electric Constr. Co., [illegible] Assesor St., San Francisco
Filed Apr. 27, '20. Dated Apr. 26, '20.
Work completed.....$300
Completed and accepted..... 355
TOTAL COST, $655
Bond, none. Forfeit, none. Plans and specifications filed.

(1114) ALL WORK EXCEPT PLUMBING and electric work on above.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
Filed Apr. 27, '20. Dated Apr. 26, '20.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST not to exceed $19,791 plus, $1600.
Bond, limit, forfeit, none. Plans and specifications filed.

BATTERY STATION

(1115) NW FELL AND BRODERICK 50x96-10½. Excavation, grading, and concrete work for one-story frame building (Battery Exchange Station).
Owner—Emma E. Bandy, 310 Sansome St., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.
Filed Apr. 27, '20. Dated Apr. 23, '20.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, Owner to pay cost of labor and material plus 10%.
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Apr. 21, 1920, No. 1069.

MOVING FOUNDATIONS

(1116) SE SAN JOSE AVE., 267.62 SW Ottowa being No. 2559 San Jose Ave. Moving foundations, underpinning etc. for a two story frame residence.
Owner—Mary McCarty, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed Apr. 27, '20. Dated Apr. 21, '20.
Moved foundations & underpinning in .....$374
Completed and accepted..... 374
TOTAL COST, $748
Bond, $374. Sureties, Wm. A. Rainey & D. J. Sullivan. Forfeit none. Limit 40 days. Plans and specifications filed.

GARAGE

(1117) E ASHBURY 259 S WALLER 1 story frame (private) garage.
Owner—T. T. Sawdon, 71 Ashbury St.
Architect & Contractor—E. M. Schaible, 1822 Page St.
COST, $500

FRAME DWELLING

(1118) E CURTIS 304 S ROLPH. 2 story and basement frame dwelling.
Owner—Margaret Hopkins, 4209 24th St.
Architect—None.
Contractor—H. Meyer, 53 Walter St.
COST $3,500

ADDITION

(1119) NW FULTON and 49th AVE. Addition to present frame building for restaurant.
Owner—Gidion Sarvas, 6305 California St.
Architect—Cost Pell, 1905½ Divisadero St.
Contractor—None.
COST, $1,355

CONCRETE STORE

(1120) S GOLDEN GATE AVE. BET. Buchanan and Webster Sts. 1 story concrete store.
Owner—J. Friedman, 1126 McAllister St.
Architect—Owner.
Contractor—Ira W. Coburn, 180 Jessie St.
COST, $7,990

CONCESSION BLDG.

(1121) S14 GREAT HIGHWAY. 2 story frame concession bldg.
Owner—John Friedle, premises.
Architect & Contractor—Arthur Loaff, S14 Great Highway.
COST, $6,000

ALTER DWELLING

(1122) NE LAKE and THIRD AVE. Add one room, bath and porch to dwelling, paint and paper, etc.
Owner—Mrs. A. S. Baldwin, 2 Presidio Terrace.
Architect—Edw. E. Young, 251 Kearny St.
Day's work. COST, $3,000

SHOP

(1123) N LOMBARD 106-3 W Octavia. One-story reinforced concrete shop.
Owner—Mrs. Ermonie Ravn, 1709 Lombard St., San Francisco.

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Architect—G. Fraschina, 6 Imperial Ave., San Francisco.
Contractor—D. Seghieri, 35 Cook St., San Francisco.
COST, $6000

GARDEN HOUSE
(1124) N LOMBARD bet. Hyde and Larkin; No. 1120. One-story frame garden house.
Owner—Mrs. A. M. Rohlffs, Premises.
Architect—W. V. Rohlffs, 1120 Lombard St., San Francisco.
Contractor—Munster & Bornholdt, 1530 Broderick St., San Francisco.
COST, $1200

BILL BOARD
(1125) SW QUINTARA AND GREAT Highway. Erect 16x100' bill board.
Owner—A. Samuels, 5th and Market St., San Francisco.
Architect—None.
Contractor—Indoor Advertising Co., 1205 First National Bank Bldg., San Francisco
COST, $600

FRAME DWELLINGS
(1126) N ROLPH 100, 125 and 150 W Paris. Three one-story and basement frame dwellings.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco.
COST, $3800 each

ALTERATIONS
(1127) NO. 1284 TWENTY-EIGHTH Ave. Enlarge breakfast room and add sleeping porch to dwelling.
Owner—Geo. S. Erlin, Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1128) NE WASHINGTON & WENTworth. Install double doors, remove partitions and make other minor repairs.
Owner—Wong Jong, Premises.
Architect—None.
Day's work. COST, $500

**RECORDED**

ALTERATIONS
(1129) S CALIFORNIA 41 — Front. All work for alterations and additions to building. Surety. Limit, 30 days. Forfelt, $20. Plans and specifications filed.
Owner—Holmes & Falkinham.
Engineer—Maurice C. Couchot, 110 Sutter St., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco
Filed Apr. 28, '20. Dated Apr. 28, '20.
As work progresses..... 75%
On completion ..... 25%
TOTAL COST, $9133
Bond, $—. Liberty Bonds deposited as
ELEVATOR WORK
(1130) NW PINE AND MONTGOMERY N 125xW 138-6.. Elevator work for building.
Owner—Commercial Union Assurance Co., Ltd., and The California Insurance Co., by P. J. Walker Co., Monadnock Bldg., San Francisco.
Architect—Geo. W. Kelham and Kenneth MacDonald Jr., Sharon Bldg., San Francisco.
Contractor—Otis Elevator Co., Beach and Stockton Sts., San Francisco.
Filed Apr. 28, '20. Dated Apr. 2, '20.
All elevator machines ready for shipment at factory..... 50%
All machines set in permanent position ..... 12½%
All work accepted..... 12½%
Usual 35 days..... 25%
TOTAL COST, $156,657
Bond, $78,329. Surety, National Surety Co. Limit, 12 months after Feb. 1, 1921. Forfeit, none. Plans and specifications filed.

RESIDENCE
(1131) E TWENTY-FIRST AVE 200 S Balboa S 25xE 120. All work for one-story and basement residence.
Owner—Malvin A. Sichel, 337 Webster St., San Francisco.
Architect—None.
Contractor—Alex W. MacKillop, 685 40th Ave., San Francisco.
Filed Apr. 28, '20. Dated Apr. 26, '20.
Roof on and rafters up.....$1500
Brown coated ..... 1500
Accepted ..... 1500
Usual 35 days..... 1500
TOTAL COST, $6000
Bond, $3000. Sureties, Nathaniel Thompson and Andrew MacKillop. Limit, 90 days. Forfeit, $1. Plans and specifications filed.

ALTERATIONS
(1132) NO. 308 COLUMBUS AVE., Alterations and repairs for soft drink and cigar store.
Owner—G. Francesconi & Co., 308 Columbus Ave., San Francisco.
Architect—None.
Contractor—California Carpenter Shop Co., 400 Columbus Ave., San Francisco.
COST, $500

ADDITION
(1133) REAR OF 320 11th AVE. Addition of one story frame to Candy factory.
Owner—Beauford R. Camp, 316 11th Ave., San Francisco.
Designer—Owner.
Day's work. COST, $2,000

FLATS
(1134) W 14th AVE. 199 N CABRILLO. Two story and basement frame (2) flats.
Owner—J. Harold Johnson, 771 28th Ave., San Francisco.
Architect—None.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.
COST, $9,800

DWELLING
(1135) NE GILMAN AVE. 250 NW Hawes. One story and basement frame dwelling.
Owner—Burt Young, 1132 Gilman Ave., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1136) NO. 300 KEARNY ST. Install new wondows, mezzanine floor, erect lath and plaster partition, etc.
Owner—Mrs. Younger, Santa Rosa.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco.
COST, $1500

FRAME FLATS
(1137) NW LAKE AND EIGHTEENTH Ave. Three-story and basement frame (5) flats.
Owner—Mrs. J. E. Anderson, 312 Humboldt Bank Bldg., San Francisco.
Architect—A. I. Coffey, Humoldt Bank Bldg., San Francisco.
COST, $25,000

ADDITION
(1138) NO. 2511 MISSION ST. New front; addition to rear, etc., for gents furnishing store and offices.
Owner—A. H. Petterson, Premises.
Designer—Antone Peterson.
Contractor—Antone Peterson, 2722 San Bruno Ave., San Francisco.
COST, $15,000

ALTERATIONS
(1139) NO. 1051 MISSION ST. New front for decorating store.
Owner—Sullivan Estate Co., 405 Flatiron Bldg., San Francisco.
Architect—None.
Contractor—J. J. Heaphy, 1721 Lombard St., San Francisco.
COST, $500

FRAME FLATS
(1140) E TAYLOR 114-9 S Clay. Two-story and basement frame (2) flats.
Owner—F. W. Healy, Care Contractor.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Thos. Barry, 3641 20th St., San Francisco.
COST, $8,000

**PERMITS**

ADDITION
(1141) NO. 2720 BRODERICK ST., San Francisco. Addition of sleeping porch to present building.
Owner—E. S. Train, 2720 Broderick St. San Francisco.
Architect—None.
Contractor—G. M. Fulton & Co., 301 Front St., San Francisco.
COST, $1,000

ALTERATIONS
(1142) NO. 492 CASTRO ST., San Francisco. Excavate to sidewalk level, underpin foundation walls, cement floor, etc., for restaurant.
Owner—E. B. Swales, 909 Broderick St., San Francisco.
Architect—None.
Contractor—J. H. Wygant, 332 Divisadero St., San Francisco.
COST, $700

MACHINE SHOP
(1143) S ELLIS 137 6 W Hyde, San Francisco. One-story brick class C machine shop.
Owner—Paul F. Kingston, 519 California St., San Francisco.
Architect—B. R. Christiansen, 230 Lick Bldg., San Francisco.
Day's Work COST, $9,800

STORES AND OFFICES
(1144) SW GOLDEN GATE AVE. & Leavenworth, San Francisco. Two-story and basement (class B) concrete stores and offices
Owner—Louis R. Lurie, 743 Mills Bldg., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Barrett and Hilp, Sharon Bldg., San Francisco.
COST, $100,000

STORE FRONT
(1145) NO. 424 MARKET ST., San Francisco. Construct new store front.
Owner—M. A. Gunst Co., 4th & Townsend Sts., San Francisco

Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—Brans & Kuhn Co., 1916 Bryant St., San Francisco.
COST $950

APARTMENTS
(1146) S POST 137-3 E Hyde. Four-story and basement reinforced concrete (16) apartments.
Owner—Hyman M. Ratner, 851 Post St., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Louis D. Stoff, 815 Hyde St., San Francisco.
COST, $50,000

ALTERATIONS
(1147) NO. 582 SIXTH AVE. After basement for garage; plaster front, etc., of residence.
Owner—Richard Whigham, 164 17th Ave., San Francisco.
Architect—None.
Contractor—H. Steiger, 1564 Haight St., San Francisco.
COST, $3500

ALTERATIONS
(1148) NO. 146 SHRADER. Alterations and changes to residence.
Owner—E. A. Janssen, 802 Hearst Bldg., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
NOS. 205-207 CALIFORNIA ST., Remove interior partitions; general alterations for offices.
Owner—Holmes & Falkinham, Prem.
Engineer—Maurice C. Couchot, 110 Sutter St., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.
COST, $9000
NOTE:—Recorded contract reported April 29, No. 1129.

**RECORDED**

ADDITION
(1149) NE PINE AND STOCKTON E 137-6xN 275. Bronze and kalamien work for a Class "A" office building addition.
Owner—Metropolitan Life Insurance Co., by Jas. Furlong, Contractor.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Sub-Contractor — Forderer Cornice Works, 269 Potrero Ave., S. F.
Filed Apr. 30, '20. Dated Apr. 30, '20.
On 10th of each month..... 90%
10 days after, balance, 10%....$6487
TOTAL COST, $64,870
Bond, limit, forfeit, none. Plans and specifications filed.

**PERMITS**

ALTERATIONS
(1150) NO. 43 BEALE. Cement front; change three openings on first floor and reflooring where necessary.
Owner—Lastis Products Co.
Architect—None.
Day's work. COST, $750

ALTERATIONS
(1151) NO. 130 LIEDESDORFF. Vestibule, etc., for restaurant.
Owner—M. S. Jacob, Premises.
Architect—None.
Contractor—Fink & Schindler, 266 13th St., San Francisco.
COST, $500

ALTERATIONS
(1152) NW MONTGOMERY AND Merchant. Alterations for store; plate glass windows, doors, etc.
Owner—Buckbee, Thorne Co., 151 Sutter St., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma St., San Francisco.
COST, $500

GARAGE
(1153) OLIVE AVE 250 E Bocharan. One-story frame private garage.
Owner—Joseph Beck, 1196 O'Farrell St., San Francisco.
Architect—None.
Contractor—J. Stern, 1109 Geary St., San Francisco.
COST, $750

ADDITION
(1154) NE ST. FRANCIS DRIVE AND Portola Blvd. Add sun porch to dwelling.
Owner—Mrs. James Wilkins, 25 St. Francis Blvd., San Francisco.
Architect—None.
Contractor—John Morton, 180 Jessie St., San Francisco
COST, $1500

ALTERATIONS
(1155) NO. 3837 TWENTY-FIFTH ST. Alter dwelling and add porch.
Owner—G. Gonzales, 1348 Stockton St., San Francisco.
Architect—None.
Day's work. COST, $1500

ORNAMENTAL IRON WORK
(1156) NW POWELL AND EDDY N 65 W 75-2 N 10 W 100-2½ S 75 — 175-5½ m or l. Ornamental iron work for building.
Owner—Bank of Italy, Montgomery & Clay Sts., San Francisco.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Federal Ornamental Iron & Bronze Co., 16th and San Bruno Ave., San Francisco.
Filed May 1, '20. Dated Mar. 5, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $50,000
Bond, $25,000. Surety, Lion Bonding & Surety Co. Limit, 90 days. Forfeit, $10. Plans and specifications filed.

ALTERATIONS
(1157) SIXTEENTH AND ILLINOIS. All work for alterations to refined oil buildings at plant.
Owner—Associated Oil Co., Sharon Bldg., San Francisco.
Engineer—L. D. Jurs, Care Owner.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.
Filed May 1, '20. Dated Apr. 23, '20.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $4733
Bond, $4000. Surety, New Amsterdam Casualty Co. Limit, forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 24, 1920, No. 1073.

**LEASES.**

**San Francisco County.**

Apr. 26, 1920—N CAMPDEN PLACE bet. Grant Ave and Stockton; No. 22 Campden or Stockton Place 24 wide by 56 deep. E L Doherty to Ruth M Chapin and Hope Davenport. 11 years. $18,200.
Apr. 26, 1920—W NINTEENTH AVE; No. 119 19th Ave. Julia Bressler to Fanny T Cunningham. 1 year. $47.50 per month.
Apr. 27, 1920—N O 241 ASHBURY ST. Apt. No. 2. Mary Flanigan to D L Breslauer. 1 year. $40 per month and option to renew.
Apr. 28, 1920—NO. 3006 SIXTH ST. E Bierbaum to J D Cronin. 6 years 7 months. $11,850.
Apr. 28, 1920—S HAIGHT bet. Masonic Ave and Ashbury; No. 1431 Haight. W F Crowley to Edward L Da Roza 2 years. $1200 and option to renew.
Apr. 28, 1920—S SIXTEENTH 117-6 W Hoff W 25xS 115. Mary Wolfsohn, Rachel Lewis and Amelia Livingston to William J and Martin Kreling. 5 years. $10,200.
Apr. 28, 1920—NE CLAY & BATTERY; No. 400 Battery. Elizabeth H Melcer to L Butler and M Antonovich. 4 years. $4080.
April 30, 1920—NO. 2621-2627 MISSION. Konrad Kather to Otto Schiffner & C. Schmidt. 2 years 8 months $490.
Apr. 29, 1920—NW KEARNY AND Broadway; No. 1105 Kearny and 508 Broadway. Il Trovatore Corp to Helen Lacroix. Assigned April 29, 1919, to Marie Campeigne, value received; assigned Mar. 30, 1920, to Mary Anderson, value received. 1 years. $5800.
Apr. 29, 1920—E POWELL 100 S Green 38-8xN137-8; No. 1526 and 1628 Powell. Adelina Palmieri to Vincenzo Filippis. 2 years. $480.
Apr. 29, 1920—W SIDE GRANT AVE; 631 to 637 Grant Ave. Lillora Canfield to Fong Quan and Yuen Turg Low Co. 120 months. $41,825.
Apr. 29, 1920—NE POLK AND EDDY No. 702 Polk St. O D Baldwin to William A Smith. 2 years. $600
Apr. 29, 1920—W FOURTEENTH AVE. bet. Geary and Clement; No. 353 14th Ave. Ruth S Weis to J A Sullivan. 27 months. $10 per month.
Apr. 29, 1920—N MARKET bet. Stewart and Spear; No. 94 Market St. Alan M McCarthy to W S Tubach. W F Jungers and A L Freedman. 56 months. $14,900.
Apr. 29, 1920—W LEAVENWORTH 118-6 S Pacific W 60 S 19 W 13-40 S 32-6 E 73-10 N 51-6. Sophie Heermann to Geneva St. Ledger. 3 Years. $200 per month.
May 1, 1920—W KEARNY AND UNION Square Ave Oscar T and Marie J Luning (as Luning Co.) to Louis Gross. 5 years. $90 per month.
May 1, 1920—NE FREMONT 183-4 NW Howard NW 15-10xNE 137-6; NE Fremont 229-2 NW Howard NW 15-10xNE 137-6; NE Fremont 275 NW Howard NW 45-10xNE 137-6. John Bermingham Jr., Adms Est. C M Belshaw, dec'd to Hill Bros. to July 30, 1930. $300 per month, etc.

## COMPLETION NOTICES

**San Francisco County**

April 24, 1920—NE POLK AND PINE — N 20 — E 62-6. M. Krotoszyner to Chas. J. U. Koenig..April 24, 1920
April 24, 1920—W STANYAN 518-6 2-5 S Parnassus Ave. S 52-1xW 111-6, Lots 44 and 45, Meyer Garden. Hazel E. Hanna to Andrew O. Field .....April 23, 1920
April 24, 1920—SW SOUTHWOOD Drive dist NW 1 from NW line lot 24 S 16 deg. 41 min. 51 sec. W 106.694 S 75 deg. 22 min. E 18.019 N 26 deg. 35 min. 53 sec. E 100.172 NW 36, lots 25, 26 and 27, ptn 23 and 24, Blk. 3196, Westwood Park. Amanda Olsen to Olaf Olsen.....
.....April 23, 1920
Apr. 24, 1920—SW GOLDEN GATE Ave and Franklin 87-6 on Golden Gate 120 on Franklin and 87-6 on Redwood. O H Curtaz to whom it may concern.....Apr. 24, 1920
Apr. 26, 1920—N FULTON 137-6 E Divisadero E 25xN 137-6. C J McComber to whom it may concern..—
Apr. 26, 1920—NW FOURTEENTH & Dolores N 316-5¼ SW 147 S 223 m or l E 92. Adrienne, Nellie & Chas E Thompson to Michel & Pfeffer Iron Works.....Apr. 15, 1920
Apr. 26, 1920—N MORIEGA 82-6 W 18th Ave W 50x100. Martha A Doyle to J M Dice.....April 26, 1920
Apr. 27, 1920—SE NINETEENTH & Bryant S 151-10xE 70. Chas H Lovell and Union Trust Co, Trs. Chas Lathrop to Frederick W Snook and Forderer Cornice Wks
.....April 20, 1920
Apr. 27, 1920—S GEARY 63-4 E 8th Ave E 26xS 100. James Welch to whom it may concern..Apr. 23, 1920
April 27, 1920—LOCATION NOT Given. Chas A Johnson to whom it may concern.....Apr. 27, 1920
Apr. 27, 1920—N WASHINGTON 112-6 W Broderick W 25xN 127-8¼ Hannah Phillips to Ervin K Scharff
Apr. 27, 1920—S JACKSON 117-9 W Maple 29-6x127-8¼. Robert S Atkins to F L Hanscern...Apr. 22, 1920
Ap. 28, 1920—E TWENTY-SEVENTH Ave 25 N Anza N 25xE 75. Jos C Kirby to whom it may concern...
.....April 28, 1920
Apr. 28, 1920—W TWENTIETH AVE 100 S Anza 25x120. Strand & Strand to whom it may concern..Apr. 28, 1920
Apr. 29, 1920—SE FOLSOM 200 SW First SW 75xSE 100. Catherine Dunne Co to G P W Jensen.....
.....April 28, 1920
Apr. 29, 1920—E ASHBURY 50 S Fulton 25x100. Harry Corvin to whom it may concern.....Apr. 26, 1920
Apr. 29, 1920—NO. 550 MARKET. Louis Friedlander and F K Houston to W A Savage.....Apr. 3, 1920
Apr. 29, 1920—W COR EIGHTEENTH Ave and Fulton 32-6x100. Hilding Anderson to whom it may concern
.....April 29, 1920
April 30, 1920—S LAKE 82-6 E 21st Ave. 50x104. Percy D. Tyler to whom it may concern..April 29, 1920
April 30, 1920—SW TWENTY-SECOND and Sanchez W 20xS 114. Mary A. Cronin to whom it may concern .....April 30, 1920
April 30, 1920—N W LAUREL AND Washington St. C. J. Hillard to James F. Smith .....April 24, 1920
April 30, 1920—N ELLIS 136-6 E Van Ness Ave. E 27-6xN 120. Grace Perego to J. G. Kincanon
.....April 30, 1920

**LIENS FILED.**

**San Francisco County.**

Apr. 20, 1920—NE THIRTIETH AND Noe N 25-6 xE 105. Wm Murray vs Chas Turner .....$560
April 24, 1920—NW KIRKHAM AND 8th Ave. W 32-6xN 100. S. W. Band vs. David Hirschler and Linda Hirschler .....$200
April 24, 1920—S PIONEER PLACE 50 E 4th S 100 m, or l x E 50. J. E. Troiel and S. H. King as Montague Range & Furnace Co. vs. Shields

and Ekbom of Shields-Ekbom Co.$425
Apr. 26, 1920—NW KIRKHAM AND Eighth Ave W 32-6xN 100. Atlas Electric Co vs David Herschley, Linda Herschley and R. N. Gibson .....$91.70
Apr. 27, 1920—NW FULTON AND Pierce 48x108; No. 1100 Fulton. Albert G Trezise vs M McCormick and Mrs. Ransdall.....$478.55
Apr. 29, 1920—SW FOURTH 75 NW Jessie NW 80 SW 154 SW 45-11 SE 75 NE 100 NW 75 NE 100. Wm P Goss vs Elmer S Ekbom and The Society of California Pioneers. E M Rofkin and Shields-Ekbom Co.. .....$465.50

## BUILDING CONTRACTS

### Alameda County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 931 | Carleton | Carleton | 3500 |
| 932 | Lapham | Lapham | 3500 |
| 933 | McKenna | Farnham | 500 |
| 934 | Bahn | Austin | 500 |
| 935 | Parr Term. | Littlefield | 63500 |
| 936 | Hillen | Hillen | 3900 |
| 937 | Same | Same | 3900 |
| 938 | Same | Same | 3900 |
| 939 | Same | Same | 3900 |
| 940 | Noble | Owner | 4000 |
| 941 | Same | Same | 4000 |
| 942 | Sim Meat Co | Owner | 900 |
| 943 | Strom | Valleroy | 700 |
| 944 | Molenia | Van Ness | 475 |
| 945 | Marchant | Lucas | 36000 |
| 946 | Greenwal | Rogers | 7500 |
| 947 | Metzler | Ahnefeld | 4800 |
| 948 | Same | Same | 4800 |
| 949 | Jewett | Ramm | 4000 |
| 950 | Alpha Phi | Koch | 1000 |
| 951 | Buchanan | Doane | 12000 |
| 952 | Anderson | Francis | 1400 |
| 953 | Netland | Thompson | 500 |
| 954 | Conley | Wells | 1000 |
| 955 | Dallas | Dallas | 950 |
| 956 | Warness | Hauri | 1400 |
| 957 | Norris | Norris | 3000 |
| 958 | Markell | Mason | 9000 |
| 959 | Frankland | Estey | 2800 |
| 960 | Schevill | Riddell | 450 |
| 961 | Watson | Nelson | 400 |
| 962 | Stone | Duncanson | 3400 |
| 963 | Lorber | Fish | 3000 |
| 964 | Banten | Owner | 600 |
| 965 | Sayers | Heinz | 400 |
| 966 | Lagoris | Perona | 6000 |
| 967 | Schwartz | Muller | 1000 |
| 968 | Hughes | Hyde | 1800 |
| 969 | Malnick | Warner | 3682 |
| 970 | Houch | Owner | 10000 |
| 971 | Alverson | Norris | 1000 |
| 972 | Plechaty | Owner | 2900 |
| 973 | Carpenters Hall | Allen | 494 |
| 974 | Maasberg | Owner | 5000 |
| 975 | Ghiglieri | Rutherford | 6200 |
| 976 | Morton | Owner | 500 |
| 977 | Jonas | Kennedy | 2000 |
| 978 | Jonas | Kennedy | 2000 |
| 979 | Jonas | Kennedy | 1000 |
| 980 | Edwy. Grill | Power | 4000 |
| 981 | Marcum | Parker | 5800 |
| 982 | Mihan | Miller | 15000 |
| 983 | Smith | Owner | 400 |
| 984 | Goldstein | Owner | 1600 |
| 985 | Mackay | Shrader | 1100 |
| 986 | Ghiglieri | Rutherford | 6200 |
| 987 | Lakeshore | Strang | 7500 |
| 988 | Lakeshore | Strang | 7500 |
| 989 | Union | Owner | 3500 |
| 990 | Petrice | Church | 975 |
| 991 | Fullmer | Owner | 500 |
| 992 | McElroy | Malley | 500 |
| 993 | Raulings | Peterson | 11,673 |
| 994 | Osborn | Christensen | 12,625 |
| 995 | Witcher | Barrett | 206,125 |
| 996 | Bergenholtz | Cal. Bldrs. | 20,500 |

DWELLING
(931) N LOCKWOOD 540 E Sixty-ninth Ave., Oakland. One-story five-room dwelling.
Owner—A. Carleton, 2023 69th Ave., Oakland.
Architect—None.
Contractor—S. Carleton, 2023 69th Ave. Oakland.
COST, $3500

DWELLING
(932) E SIXTIETH AVE 160 N Avenal Ave., Oakland. One-story 5-room dwelling.
Owner—Frank Lapham, 2519 61st Ave., Oakland.
Architect—None.
Contractor—T. H. Lapham, 2519 61st Ave., Oakland.
COST, $3500

ADDITION
(933) NO. 1011 COTTON, Oakland. Addition.
Owner—Jas. McKenna, Care California Cotton Mills Co., Kennedy and Railroad Ave., Oakland.
Architect—None.
Contractor—G. H. Farnham, Care California Cotton Mills Co., Kennedy and Railroad Ave., Oakland.
COST, $500

GARAGE
(934) NO. 1005 E-TWELFTH ST., Oakland. Garage.
Owner—Peter Bahn, Premises.
Architect—None.
Contractor—Fred H. Austin, 351 12th St., Oakland.
COST, $500

FREIGHT SHED
(935) KEY ROUTE BASIN, Oakland. One-story freight shed.
Owner—Parr Terminal Co., Oakland.
Architect—None.
Contractor—R. W. Littlefield, 357 12th St., Oakland.
COST, $63,500

DWELLING
(936) W BELVEDERE 602 N Ygnacio, Oakland. One-story 5-room frame dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work.
COST, $3900

DWELLING
(937) E BELVEDERE 369 S Trask St., Oakland. One-story 5-room frame dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work.
COST, $3900

DWELLING
(938) W FAIRFAX AVE 883 N Ygnacio, Oakland. One-story five-room frame dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work.
COST, $3900

DWELLING
(939) S FOOTHILL BLVD. 240 E Cole St., Oakland. One-story 5-room dwlg.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work.
COST, $3900

DWELLING
(940) S LERIDA AVE 31 W Carlston St., Oakland. One-story 6-room dwlg.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work.
COST, $4000

DWELLING
(941) W TWENTY-NINTH AVE 150 S E-17th St., Oakland. One-story six-room dwelling.
Owner—G. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work.
COST, $4000

ICE CHEST
(942) NO. 493 NINTH ST., Oakland. Ice chest.
Owner—Sim Meat Co., 415 9th St., Oakland.
Architect—None.
Day's work.
COST, $900

DWELLING
(943) E THIRTY-SEVENTH AVE 95 N Carleton, Oakland. One-story 3-room dwelling.
Owner—Albert Storm, 4705 Foothill Blvd., Oakland.
Architect—None.
Contractor—H. L. Valleroy, 3636 Maple Ave., Oakland.
COST, $700

CHICKEN HOUSE
(944) W THIRTY-NINTH AVE 300 S Redwood Road, Oakland. One-story chicken house.
Owner—A. Molenia.
Architect—None.
Contractor—L. E. Van Ness, 433-A, R. F. D. No. 1, Oakland.
COST, $475

RESIDENCE
(945) LOT 20, Crocker Terrace, Piedmont. Two and one-half-story frame residence.
Owner—L. L. Lucas, 545 59th St., Oakland.
Architect—None.
Day's work.
Cost, $36,000

RESIDENCE
(946) GRANT AVE., Piedmont. One and one-half-story frame residence and garage.
Owner—A. Greenwal.
Designer—J. F. Rogers, 321 Oakland Ave., Oakland.
Contractor—J. F. Rogers, 321 Oakland Ave., Oakland.
COST, $7500

DWELLING
(947) W CALIFORNIA 38 S Cedar, Berkeley. One-story 5-room frame dwelling and garage.
Owner—O. Metzler, McGee and Cedar, Berkeley.
Architect—None.
Contractor—Harry Ahnefeld, 2123 Parker St., Berkeley.
COST, $4800

DWELLING
(948) SW CEDAR AND CALIFORNIA, Berkeley. One-story 5-room dwelling and garage.
Owner—O. Metzler, McGee and Cedar, Berkeley.
Architect—None.
Contractor—Harry Ahnefeld, 2123 Parker St., Berkeley.
COST, $4800

ALTERATIONS
(949) NO. 2610 HILLEGASS AVE., Berkeley. Alter dwelling into apartments.
Owner—Jewett Land Co., 160 Tunnel Road, Berkeley.
Architect—None.
Contractor—P. F. Ramm, 318 Estudillo Ave., San Leandro.
COST, $4000

ALTERATIONS
(950) NO. 2714 RIDGE ROAD, Berkeley. Alterations.
Owner—Alpha Phi, Premises.
Architect—None.
Contractor—H. D. Koch, 1816 Parker St., Berkeley.
COST, $1000

DWELLING
(951) W SAN MATEO ROAD 160 N Indian Rock, Berkeley. One-story 9-room dwelling.
Owner—Mrs. M. Buchanan, 1329 Arch St., Berkeley.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—C. A. Doane, 3720 Telegraph Ave., Oakland.
COST, $12,000

SHED
(952) S E-FOURTEENTH 100 E 41st Ave., Oakland. One-story coal and wood shed.
Owner—A. W. Anderson, 4143 E-14th St., Oakland.
Architect—None.
Contractor—E. O. Francis, 4315 E-12th St., Oakland.
COST, $1400

ALTERATIONS
(953) NO. 620 FIFTY-NINTH, Oakland. Alterations.
Owner—Mrs. Netland.
Architect—None.
Contractor—E. A. Thompson, 666 60th St., Oakland.
COST, $500

ALTERATIONS
(954) NO. 3040 MARKET ST., Oakland Alterations.
Owner—Mrs. L. Conley, 1285 8th St., Oakland.
Architect—None.
Contractor—Geo. H. Wells, 835 32nd St., Oakland.
COST, $1000

ALTERATIONS
(955) NO. 3966-68 PIEDMONT AVE., Oakland. Alterations.
Owner—Carrie Dallas, 28 Monte Vista Ave., Oakland.
Architect—None.
Day's work.
COST, $950

ADDITION
(956) NO. 2100 THIRTY-EIGHTH AV. Oakland. Addition.
Owner—A. C. Warness, Premises.
Architect—None.
Contractor—Hauri & Wierk, 822 56th St., Oakland.
COST $1400

DWELLING
(957) N VIRGINIA 120 E Courtland, Oakland. One-story 4-room dwelling.
Owner—Ralph Norris, 2808 Richmond Ave., Oakland.
Architect—None.

Contractor—Justus Norris, 2808 Richmond Ave., Oakland.
COST, $3000

DWELLING
(958) NO. 2950 CLAREMONT BLVD., Berkeley. Two-story 6-room dwelling.
Owner—L. R. Markell.
Architect—None.
Contractor—Mason, McDuffie Co., Shattuck and Addison, Berkeley.
COST, $9000

DWELLING
(959) N EUNICE 120 E Spruce, Berkeley. One-story 4-room dwelling.
Owner—A. S. Frankland, 1199 Spruce St., Berkeley.
Architect—None.
Contractor—G. F. Estey, 1818 Hearst Ave., Berkeley.
COST, $2800

ALTERATIONS
(960) NO. 1308 TAMALPAIS Berkeley. Alterations.
Owner—R. Schevill, Premises.
Architect—None.
Contractor—Riddell Co., 2247 Telegraph Ave., Berkeley.
COST, $450

ADDITION
(961) NO. 2219 BUENA VISTA AVE., Alameda. Addition.
Owner—Marguite Watson, Premises.
Architect—None.
Contractor—H. C. Nelson, 2251 Buena Vista Ave., Alameda.
COST, $400

PUMP PLANT
(962) BAY FARM ISLAND, Alameda. Pump plant.
Owner—F. B. and A. L. Stone, Claus Spreckels Bldg., San Francisco.
Architect—None.
Contractor—Duncanson & Harrelson, Chronicle Bldg., San Francisco.
COST, $3400

DWELLING
(963) FOUNTAIN ST. Alameda. One-story 6-room dwelling.
Owner—H. M. Lorber, 186 Hillcrest Rd., Berkeley.
Architect—None.
Contractor—M. H. Fish 1340 Versailles Ave., Alameda.
COST, $3000

ALTERATIONS
(964) NO. 846 SANTA CLARA AVE., Alameda. Alterations.
Owner—N. L. Banten, 1453 9th St., Alameda.
Architect—None
Day's work.
COST, $600

ADDITION
(965) NO. 1719 SAN JOSE AVE., Alameda. Addition.
Owner—Mr. Sayers Premises.
Architect—None.
Contractor—J. Heinz, 1108 Pacific Ave., Alameda.
COST, $400

DWELLING
(966) NO. 3101 VAN BUREN ST. Alameda. One-story 6-room dwelling.
Owner—L. Lagoris.
Architect—None.
Contractor—John Perona, 570 7th St., Oakland.
COST, $6000

FOUNDATION
(967) W. BROADWAY 70 S 24th Oakland. Foundation.
Owner—Schwartz & Crodin.
Architect—Reed & Corlett, Oakland Bk. of Savings Bldg., Oakland.
Contractor—E. A. Muller, Syndicate Bldg., Oakland.
COST, $1000

DWELLING
(968) N. BERTHIRTY SIXTH 100 W Pierce, Oakland. One-story three-room dwelling.
Owner—Mrs. Francis J. Hughes, El Cerrito.
Architect—None.
Contractor—Hyde Bros.
COST, $1800

ADDITION
(969) S E BOTHWELL 70 W 29th Ave., Oakland. One-story addition (1-story store and two 2-story store and dwelling).
Owner—J. Malnick, Care Toggery, E. 14th and 38th Ave., Oakland.
Architect—None.
Contractor—S. A. Warner.
COST, $3682

(970) N EL CENTRO 105 and 145 W San Sebastian, Oakland. Two one-story six-room dwellings.
Owner—H. L. Houch, 4452 Evans Ave., Oakland.
Architect—None.
Day's work.
COST, $5000 each

ALTERATIONS
(971) SE MIRANDA AND AYALA., Oakland. Alterations.
Owner—Emma F. Alverson, 3732 Grove St., Oakland.
Architect—None.
Contractor—Justus Norris, 2828 Richmond Ave., Oakland.
COST, $1000

DWELLING
(972) S MADELINE 110 E Maple Ave., Oakland. One-story 4-room dwelling.
Owner—J. Plechaty, 339 Santa Clara Ave., Oakland.
Architect—None.
Day's work.
COST, $2900

ALTERATIONS
(973) NO. 763 TWELFTH ST., Oakland. Alterations.
Owner—Carpenters' Hall, Local 36, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley.
COST, $194

DWELLING
(974) N WELLINGTON 160 E Evans Ave., Oakland. One-story seven-room dwelling.
Owner—E. Maasberg, 3915 Greenwood Ave., Oakland
Architect—None.
Day's work.
COST, $5000

DWELLING
(975) S WELDON 110 W Erie, Oakland.
Owner—Llyod Ghiglieri, 741 Broadway, Oakland.
Architect—None.
Contractor—Thomas Rutherford, 985 35th St., Oakland.
Cost, $6200

REPAIRS
(976) NO. 1322 ALCATRAZ AVE., Berkeley. Repairs.
Owner—Mathew Morton, 2911 Benvenue Ave., Berkeley.
Architect—None.
Day's work.
COST, $500

ALTERATIONS
(977) NO. 1101 BROADWAY, Oakland. Alter store.
Owner—Jonas Realty Co., Premises, Oakland.
Architect—None.
Contractor—F. T. Kennedy, 954 Rose Ave., Piedmont.
COST, $2,000

ALTERATIONS
(978) NO. 1105 BROADWAY, Oakland. Alteration store.
Owner—Jonas Realty Co., Premises, Oakland.
Architect—None.
Contractor—F. T. Kennedy, 954 Rose Ave., Piedmont.
COST, $2,000

(979) NO. 1111 BROADWAY, Oakland. Alterations.
Owner—Jonas Realty Co.
Architect—None.
Contractor—F. T. Kennedy, 954 Rose Ave., Piedmont.
COST, $1,000

ALTERATIONS
(980) NO. 1107 BROADWAY, Oakland. Alterations store.
Owner—Broadway Grill, Premises.
Architect—None.
Contractor—J. J. Power, 774 20th St., Oakland.
COST, $4,000

DWELLING
(981) W CROFTON AVE., opp. No. 530 Oakland. 1½ S 6 R dwelling.
Owner—R. F. Marcum, 647 Mariposa. Ave., Oakland.
Architect—None.
Contractor—Joseph Parker, 944 E 14th St., Oakland.
COST, $5,800

APARTMENTS
(982) 778 14th St. Oakland. Two-story sixteen room apartments.
Owner—Mrs. Madeline Mihan, 776 14th St. Oakland.
Architect—Miller & Warnecke.
Contractor—Miller & Warnecke, Perry Bldg., Oakland.
COST, $15,000

DWELLING
(983) NO. 5351 LAWTON AVE., Oakland. One-story two room dwelling.
Owner—H. R. Smith.
Architect—None.
Day's work
COST, $400

DWELLING
(984) N 30 St. 120 W MAGNOLIA, Oakkland. One-story four room dwelling.
Owner—M. A. Goldstein, 1214 30th St., Oakland.
Architect—None.
Day's work.
COST, $1,600

REPAIRS
(985) NO. 1539 HENRY ST., Berkeley Fire repairs.
Owner—Geo. Mackay, Premises.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland.
COST, $1100

DWELLING
(986) S WELDON AVE 120 W Erie Ave., Oakland. All work for one-story seven-room dwelling.
Owner—Lloyd and Lucia Ghiglieri, 741 Broadway, Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Thomas Rutherford, 985 35th St., Oakland.
Filed Apr. 29, '20. Dated Apr. —, '20.
Frame up ..... ¼
Plastered ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST $6200
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported April 30, 1920, No. 975.

DWELLING
(987) W GROSVENOR PLACE 55 S Sunnyvalle, Oakland. Two-story six room dwelling.
Owner—Lakeshore Highlands.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave. Alameda.
COST, $7,500

DWELLING
(988) S SUNNYHILL ROAD 240 E Hubert Road, Oakland. Two-story six room dwelling.
Owner—Lakeshore Highlands.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $7,500

SERVICE STATION
(989) SE COR. E-TWELFTH ST. and 23rd Ave., Oakland. Service station.
Owner—Union Oil Co.
Architect—None.
Day's work.
COST, $3,500

ADDITION
(990) NO. 835 FIFTY-EIGHTH ST., Oakland. Addition.
Owner—J. E. Petrice.
Architect—None.
Contractor—A. A. Church, 859 58th St., Oakland.
COST, $975

GARAGE
(991) NO. 2499 MAIRS ST., Oakland. Garage.
Owner—Theodore E. Fullmer, premises.
Architect—None.
Day's work.
COST, $500

ALTERATIONS
(992) SE COR. NINETEENTH AND Telegraph, Oakland. Alterations.
Owner—J. J. McElroy, Hotel Oakland, Oakland.
Architect—None.
Contractor—F. T. Malley, 3007 Grove St., Oakland.
COST, $500

DWELLING
(993) LOT 8 RESUBDIVISION; LOTS 19 to 27 inclusive; Map Crocker Tract, Piedmont. All work except plumbing and painting for a two-story and base frame dwelling.
Owner—Jane P. Rawlings, 30 Grand Ave., Oakland.

Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Alfred Peterson, 3918 Lynwood Ave., Oakland.
Filed May 1, '20. Dated Apr. 28, '20.
Sheathed .....¼
Brown coated .....¼
Completed and accepted.....¼
Usual 35 days .....¼
TOTAL COST, $11,673
Bond, none. Limit 90 days. Forfeit, none. Plans and specifications filed.

SHOP BUILDING
(994) LOTS 15 & 16 BLK. 27 KELLERSbergers Map of Oakland, Oakland. All work except finished hardware, electric fixtures, sheet metal work, plumbing, and roofing for two-story and mezzanine reinforced concrete shop building.
Owner—R. N. Osborn (Bay Engineering Co.), Market and Apgar Sts., Oakland.
Architect—Reed & Corlett, Oakland Bank of Saving Building, Oakland.
Contractor—C. Christensen & Son, 351 12th St., Oakland.
Filed May 1, '20. Dated May 1, '20.
First day of each month.....75%
Usual 35 days.....25%
TOTAL COST, $12,625
Bond, none. Limit 120 days. Forfeit, none. Plans and specifications filed.

STORE BUILDING
(995) SE COR. FIFTEENTH ST. and Broadway S 101xE 125, Oakland. All work for two-story and basement reinforced concrete frame and masonry store building.
Owner—William Vincent Witcher, Helen F. Witcher, Rita Witcher, and William Vincent Witcher, Jr.
Architect—Bernard J. Joseph, Call Bldg., San Francisco.
Contractor—J. F. Barrett and H. H. Hilp, Jr. (Barrett & Hilp), Sharon Bldg., San Francisco.
Filed May 1, '20. Dated Apr. 28, '20.
On 1st and 15th day.....75%
Usual 35 days.....25%
TOTAL COST, $206,125
Bond, 103,100. Surties Albert Lachman and Louis R. Lurie. Limit, 125 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(996) LOTS 2 AND 3, ——. All work for two-story apartments.
Owner—Edward Bergenholtz, 521 Genoa St., Oakland.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland.
Filed May 1, '20. Dated Feb. 16, '20.
Rough material on ground.....¼
Roof on .....¼
Lathing started .....¼
Completed .....¼
TOTAL COST, $20,500
Bond, limit, forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES

### Alameda County

Apr. 22, 1920—W 83 LOT at SW Cor. 23rd St. and Broadway, Oakland. Mary A Logan to A J Bellefontaine .....Apr. 17, 1920
Apr. 22, 1920—S TWENTY-FIFTH 227-1 W Broadway W 59-6 S 119, Okd. Stella and J H Frese to F A Muller.....April — 1920
April 24, 1920—LOT 5, BLK. 5, Map Fourth Ave. Heights, Oakland. W. E. McChesney to whom it may concern .....April 22, 1920
April 24, 1920—S UNIVERSITY AVE. bet. Curtis and Bonar Sts., Berkeley. Board of Education of the City of Berkeley to Berkeley Electric Co. .....April 20, 1920
April 27, 1920—Lots 58 and 59 Blk. 13, Amended map Sunset Terrace, Albany. J. M. Farren to whom it may concern.....April 26, 1920.
April 27, 1920—Lot 36 Blk. 2 Fourth Ave. Heights, Oakland. M. J. Whitney to H. L. Houck .....April 26, 1920..
April 27, 1920—Lot 3 Robinson & Ucovich tract. L. H. Moise to C. S. Schwartz .....April 26, 1920
Apr. 28, 1920—LOT 27 BLK 7-781 Highland Sbdvn Adams Point Pty. —— Florine K Manheim to E L. Leiter & Sons.....Apr. 28, 1920
Apr. 28, 1920—NE E-FOURTEENTH 100 SW 37th Ave SW 112xNE 775, Okd. Pacific Coast Rattan Co to Alfred Olson.....Apr. 20, 1920
Apr. 28, 1920—LOT 6 MAP BROADway and Western Avenue Lots, Okd. L R Bascombe to W M Greuner.....Apr. 21, 1920
Apr. 28, 1920—NE MAIN AND A STS 50x100, Haywards. Sarah M Armstrong to Fred J Westlund.....April 14, 1920

### LIENS FILED.

### Alameda County

April 22, 1920—LOT 4, BLK. 33, Map Hollywood Terrace, Oakland. J. A. Freitas, $142; W. E. Mass (Maas Electric Co.) vs. J. Y. Randolph, A. L. Young and E. Welchoff.....$40
April 27, 1920—Lots 39, 41 to 48 inclu. & 55 Blk. 8, map Havens Court, Oakland. Geo. W. Boxton & Son vs. Louis Steckler .....$2677.76
Apr. 29, 1920—LOT 9 BLK 1 Map. Northbrae, Bkly. Charles D Heywood and George A Lloyd (Heywood Lumber & Supply Co) vs Martha S and E H Foster.....$502.90
Apr. 30, 1920—LOTS 39, 41 to 48 and 55 Blk 8, Map Havens Court, Okd. F Miller vs Louis Steckler and Geo W Boxton & Son.....$280

### BUILDING CONTRACTS.

### Santa Clara County

BUSINESS BLOCK
S. FIRST NR. WILLIAM, San Jose. Concrete Business Block.
Owner—H. L. Austin, Lupton Ave., S. J.
Architects—Wolfe & Higgins, Auzerals Bldg.
Contractor—E. Nomensen, 134 S. 8th.
COST, $7720

COTTAGE
827 S. EIGHTH, San Jose. Cottage.
Owner—John Roose, 1129 S 9th St., San Jose.
Architect—None.
Contractor—V. Caminetti, 975 Vine St.
COST, $3,000

ALTERATIONS
41 E. SANTA CLARA, San Jose. Alterations.
Owner—Jos. Rucker Co., Agts., 2nd & Santa Clara, San Jose.
Architects—Wolfe & Higgins, Auzerais
Contractor—A. F. Haskins, 235 W. St. James St., San Jose.
COST, $4,500

ADDITION
348 W. SANTA CLARA, San Jose. Additions and Alterations.
Owner—Hubbard & Carmichael Bros., 384 W Santa Clara, San Jose.
Architect—Owners.
Day's work.
COST, $2,500

COTTAGE
19th & JULIAN, San Jose. Cottage.
Owner—L. Robinson, San Jose, Cal.
Architect—None.
Contractor—Ed Robinson, San Jose, Cal.
COST, $1,500

COTTAGE
N. 24 NR. SANTA CLARA, San Jose, Cottage.
Owner—H. J. Hurst, San Jose, Cal.
Architect—None.
Day's work.
COST, $2,000

ALTERATIONS
NO. 260 S-THIRD ST., San Jose. Alterations.
Owner—A. D. Johnson, Premises.
Architect—None.
Day's work.
COST, $1000

COTTAGE
COE AVE. near Delmas St., San Jose. Five-room cottage.
Owner—A. Rodriguez, 109 May Ellen Ave., San Jose.
Architect—None.
Contractor—E. M. Wallace, 36 May Ellen Ave., San Jose.
COST, $3200

COTTAGE
SE COR. FIFTEENTH AND EMPIRE Sts., San Jose. Four-room cottage.
Owner—Brown.
Designer—Wm. O'Neil.
Contractor—Wm. O'Neil, 455 N-12th St., San Jose.
COST, $2850

COTTAGE
NO. 749 S-EIGHTH ST., San Jose. Five room cottage.
Owner—L. Sprague, 704 S-8th St., San Jose.
Architect—None.
Day's work.
COST, $2500

ALTERATIONS
NO. 169 W-SANTA CLARA, San Jose. Alterations and new front.
Owner—Baker Pharmacy, Premises.
Architect—None.
Contractor—G. M. Latta, 81 E-Williams St., San Jose.
COST, $1800

ALTERATIONS
NO. 87 S-TENTH ST., San Jose. Alterations.
Owner—F. H. Vining, 421 N-15th St., San Jose.
Architect—None.
Contractor—G. M. Latta, 81 E-Williams St., San Jose.
COST, $500

### COMPLETION NOTICES.

### Santa Clara County.

Recorded — Accepted
Apr. 23, 1920—PALO ALTO. Adelbert Adams Blackmer to whom it may concern.....Apr. 15, 1920
Apr. 23, 1920—RANDAL AVE., San Jose. Clifford R Palmer to whom it may concern.....Apr. 22, 1920
Apr. 23, 1920—LOS GATOS AND Saratoga Road, near San Jose. Charles D Blaney to W C Duncan & Co.....April 21, 1920
Apr. 26, 1920—Randol AVE, San Jose. J A Wagner to whom it may concern.....April 17, 1920

### RELEASE OF LIENS.

### Santa Clara County.

Recorded — Amount
Apr. 23, 1920—SAN JOSE. D H McKenley and George C Glans to E M H White .....$150
Apr. 23, 1920—SAN JOSE. Mangrum & Otter Co to E M H White....$575
Apr. 24, 1920—SAN JOSE. W E Sweatt to Charles W Townsend.....$65
Apr. 26, 1920—SAN JOSE. Dominick Ferrant to J Latorre.....$28

### BUILDING CONTRACTS.

### Fresno County.

DWELLING AND GARAGE
LOTS 16 AND 17 BLK 34 K. B. Heights, Fresno. Frame dwelling and garage.
Owner—W. H. Schmale, Fresno.
Architect—None.
Contractor—D. M. Benton, Fresno.
COST, $3000

FRAME DWELLING
BLK "E," Fresno. Frame dwelling.
Owner—Devlin & Drew, 2001 Silvia St., Fresno.
Architect—None.
Contractor—Dodds & Son, Fresno.
COST, $4000

UNDERTAKING PARLORS
LOTS 19 TO 24 BLK 4, Sunset Tract, Fresno. Undertaking parlors.
Owner—Powell Undertaking Co., 1459 Van Ness, Fresno.
Architect—None.
Day's work.
COST, $35,000

ADDITION
LOTS 6 AND 7 BLK 83, Fresno. Addition.
Owner—Milo Rowell, 1037 U St., Fresno
Architect—R. F. Felchlin.
Contractor—R. F. Felchlin, Rowell Bldg., Fresno.
COST, $18,000

DWELLING AND GARAGE
PART LOTS 11 TO 15 BLK 6, Central Addition, Fresno. Frame dwelling and garage.
Owner—J. Ohannesian, Bank of Italy Bldg., Fresno.
Architect—None.
Contractor—S. L. Allen, 530 Forthcamp St., Fresno.
COST, $12,000

DWELLING AND GARAGE
LOT 12 BLK 2, Bellevue Addition, Fresno. Frame dwelling and garage
Owner—Dow & Cannon.
Architect—None.
Contractor—G. C. Cannon, Butler and S-8th St., Fresno.
COST, $7000

DWELLING
LOT 1 BLK 6, South Fresno Addition. Frame dwelling.

Owner—Wm. Stanford, 1229 I St., Fresno.
Architect—None.
Day's work. COST, $1200

DWELLING
HIGHLAND PARK LOT 8 BLK 5, Fresno. Frame dwelling.
Owner—F. O. Gardner, 1828 I St., Fresno.
Architect—None.
Day's work. COST, $4000

DWELLING
LOTS 25 AND 26 BLK 2, Peters Addition, Fresno. Frame dwelling.
Owner—Karl Kisling, 2335 Rose St., Fresno.
Architect—None.
Day's work. COST, $1500

ALTERATIONS
NO. 521 GLENN AVE., Fresno. Alterations.
Owner—Dora Hester, Premises.
Architect—None.
Day's work. COST, $2500

ALTERATIONS
NO. 105 ECHO AVE., Fresno. Alterations.
Owner—Mrs. A. B. Kerr, Premises.
Architect—None.
Day's work. COST, $1000

### COMPLETION NOTICES.

**Fresno County**

Recorded Accepted
April 23, 1920—LOTS 7 AND 8 BLK 1, Belridge Park, Fresno. Guy Stockton to whom it may concern.....April 19, 1920
April 23, 1920—E 16⅔' OF LOT 7; all Lot 8 Blk 16, Arlington Heights, Fresno. D M Benton to whom it may concern.....April 21, 1920
Apr. 27, 1920—S 125 FT. of E ½ Lot 2 and Lot 3 Park Place, Fresno. W H Dow to whom it may concern.....April 22, 1920
Apr. 27, 1920—LOTS 27 AND 28, Ingersol Tract, Fresno. C H Bartholomew to whom it may concern.....April 21, 1920

### LIENS FILED.

**Fresno County.**

Recorded Amount
April 24, 1920—LOTS 11 TO 16 BLK 75, Fresno. Prichard Bros vs J M Rustigian .....$18.72
April 24, 1920—LOT 7 BLK 71, Fresno. Morris and Benj Tyre vs Fred Stone, Carl H. Theo F and Emma M Brix .....$101

### BUILDING CONTRACTS.

**Sacramento County.**

GARAGE
NO. 811 O ST., Sacramento. Private garage (4 machines).
Owner—G. Wissemann, 817 O St., Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento.
COST, $1000

FRAME DWELLING
NO. 925 MISSION WAY, Sacramento. One-story 5-room frame dwelling.
Owner—W. A. Ochs, 825 Mission Way, Sacramento.
Architect—None.
Day's work. COST, $3700

RESIDENCE
NO. 1233 V ST., Sacramento. Two-story frame residence.
Owner—H. L. Mee, 2118 17th St., Sacramento.
Architect—None.
COST, $7000

DWELLING
NO. 5039 T ST., Sacramento. Five-room frame dwelling and garage.
Owner—W. Stow, 2609 52nd St., Sacramento
Architect—None.
Day's work. COST, $1500

ALTERATIONS
NO. 3431 SACRAMENTO BLVD., Sacramento. Remodel building.
Owner—Lafayette Fical Co., 3431 Sacramento Blvd., Sacramento.
Architect—None.
Day's work. COST, $3000

### LIENS FILED.

**Sacramento County.**

Recorded Amount
April 24, 1920—LOTS 132, 133 AND 134 Lemon Hill Tract, Sacramento. Lynn S Atkinson Jr vs S E Whiting .....$737.50

### NOTICE OF NON-LIABILITY.

**Sacramento County.**

Apr. 26, 1920—E 60 FEET LOT 3 K, L, 8th and 9th Sts., Sacramento. E and Jennie A Hornlein as to improvements on leased property...

### BUILDING CONTRACTS.

**San Joaquin County.**

RESIDENCE
MORMAN AVE AND COURT ALLEY, Stockton. Frame residence.
Owner—F. C. Garlick, 35 Ash, Fair Oaks, Stockton.
Architect—None.
Day's work. COST, $1700

REMODEL
CENTER ST. & WEBER AVE., Stockton. Remodel.
Owner—H. Genser, 747 N-Center St., Stockton.
Architect—None.
Day's work. COST, $2581

REMODEL
MINER AVE. & HUNTER ST., Stockton Remodel.
Owner—Everybody's Developmnet Co., Stockton.
Architect—None.
Day's work. COST, $2500

RESIDENCE
LINDEN AND GRANT STS., Stockton. Residence.
Owner—G. Oneto, Stockton.
Architect—None.
Day's work. COST, $2800

WAREHOUSE
WEST WEBER AVE., Stockton. Warehouse.
Owner—Hobbs-Parsons Co., 130 N-El Dorado St., Stockton.
Architect—None.
Day's work. COST, $36,000

FACTORY
LINDSAY AND SACRAMENTO STS., Stockton. Factory.
Owner—Stockton Box Co., 426 Aurora St., Stockton.
Architect—None.
Day's work. COST, $7000

RESIDENCE
WEST MARKET ST., bet. Monroe and Madison Sts., Stockton. Residence.
Owner—Burcy Faraudo, 812 N-Van Buren St., Stockton.
Architect—None.
Day's work. COST, $3700

EAST WORTH ST., bet. Laurel and Ash Sts., Stockton. Remodel.
Owner—A. Tuneco, Stockton.
Architect—None.
Day's work. COST, $1000

BUILDING
BLK. BDED BY HAZELTON, UNION, Scott and Sacramenao Sts., Stockton. Building.
Owner—California Packing Co., 101 California St., San Francisco.
Architect—None.
Contractor—Shepherd & Riley, Yosemite Bldg., Stockton.
Filed Apr. 27, '20. Dated Apr. 12, '20. Limit 60 days.
COST, $6257

### COMPLETION NOTICES.

**San Joaquin County.**

Recorded Accepted
Apr. 27, 1920—LOT 22 BLK 7, The Oaks, Stockton. Fred Hicks to T E Williams.....Apr 22, 1920

### NOTICE OF NON-RESPONSIBILITY.

**San Joaquin County.**

Apr. 21, 1920—S ½ OF LOTS 1 AND 3 Blk 67, E of Center St Stockton. Augustine N Drais as to improvements on leased property.....

### FAR EASTERN TRADE NOTES

(Prepared in the Far Eastern Division, Bureau of Foreign and Domestic Commerce, to which refer for fuller particulars. The district and cooperative offices have reserve information where reference number is given.)

**Possibilities of Market for Railway Materials and Equipment in China.**

It is thought that there will be an active demand for steel freight cars of 40 tons capacity for the transportation of coal, grain, and other commodities in China, as it is estimated that the Chinese railways need 1,000 cars annually for replacement in addition to those needed in connection with new developments. Although it is likely that a considerable number of cars, as well as other equipment, will be built in China in the future, it is not believed that they will be able to supply all their own requirements, especially for locomotives. It is said that the Cheng-Tai Railway is soon to be adapted to the standard guage between Shichiachuang, where it connects with the Kin Han Railway, and Yangchuan, where important anthracite and iron mines are located, a distance of about 75 miles. The present meter gnage will be retained to permit of the use of existing rolling stock, and a third rail will be laid to carry the standard guage (4 feet 8 1-2 inches) of the Kin-Han rolling stock.

### POTASH DEPOSITS IN SPAIN

Potash deposits were discovered a few years ago in the Province of Barcelona, Spain, near the villages of Suria and Cardona. They consist of irregular beds of carnallite and sylvinite interbedded with rock. Explorations to a depth of several hundred feet show that in the Surhia district potash beds occupy an area of not less than 75 acres and occur at depths from 125 to 200 feet. The average combined thickness of the carnallite beds is estimated to be about 56 feet, and of the sylvinite about 13 feet. The Cardona uper beds are interbedded with gypsum and clay, but the lower beds contain nearly pure white salt, which is that principally mined. After the discovery of potash at Suria, these Cardona beds were searched for potash, and nearly pure sylvite was found. Estimates for the area prospected place the quantity of carnallite at 2,550,0000 tons of sylvinite at 1,150,000 tons.

### ROSS CONSTRUCTION COMPANY OF SACRAMENTO ENTERS SOUTHERN CALIFORNIA TERRITORY

C. R. Ross, head of the Ross Construction Co., whose headquarters have heretofore been at Sacramento, has started the erection of a house for himself at Glendale near the site of the two Brand Blvd., bridges which the company has just completed under contract with the county. Mr. Ross states he will hereafter be permanently identified with contracting in the southern part of the state. He is just starting the Ballona Creek county flood control project for which he was recently awarded the contract

### GOVERNMENT MACHINERY PURCHASED FOR SCHOOL USE

The Los Angeles board of education has purchased from the federal government $100,000 worth of machinery for the vocational schools at 85 per cent less than its real value.

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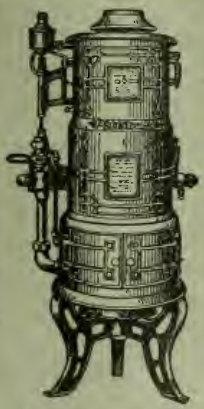

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TIME: First Thursday of the Month; 7:30 P. M.

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# EDITORIAL

## METRIC STANDARDIZATION CONFERENCE.

In order to co-operate more closely in the campaign to get the metric units the campaign to get the metric units adopted as the universal and standard measurements in English-speaking countries, metric advocates are calling a World Metric Standardization Conference to meet in San Francisco, May 17, directly following the Foreign Trade Convention. That this conference is of great importance is proved by the fact that the American Institute of Architects, The American Institute of Inventors, the Washington Manufacturers' Society, The American Chemical Society, the National Wholesale Grocers Association, and the National Wholesale Druggists Association, are sending accredited delegates.

This convention is but an outcome of the active interest that has been shown for the past year in the need for standardizing our measurements. The Conference will formulate plans for continuing the campaign that has already been launched to get legislation that will provide for the gradual adoption of the meter, the liter, and the gram as the exclusive standard measurements. The American Institute of Electrical Engineers, the Western Association of Electrical Inspectors, American Concrete Pipe Association, American Wood Preservers Association, British Institute of Electrical Engineers are a few of the building and engineering societies that have already voted to support the movement. In addition, forty Chambers of Commerce in the United States have adopted resolutions, during the past year, favoring the introduction of the metric system. Many of these organizations will have delegates at the conference.

Since the opening of the campaign, which was started one year ago by members of the Foreign Trade Club of San Francisco to introduce the metric system into the United States, Franklin K. Lane, General John J. Pershing, Major-General Leonard Wood, Luther Burbank, Henry Ford, Thomas Edison, former Secretary of Commerce William C. Redfield, the late Colonel Roosevelt, William G. McAdoo, Champ Clark, John Hays Hammond, Alexander Graham Bell, the late Andrew Carnegie, and many other men of national prominence have endorsed the movement.

The Conference will last one day. Committee and section meetings will be held in the morning and afternoon; the main section will meet in the evening, May 17th at the Palace Hotel. Among the principal speakers will be Rear Admiral J. L. Jayne, commandant of the Twelfth Naval District, Colonel Thomas H. Rees, representing General Hunter Liggett, commanding the Western Department, W. H. Hammer, president of the Foreign Trade Club which has carried on its metric propaganda through the name, "World Trade Club," by which it is known internationally, and B. Darrow of the Technical Division of the Goodyear Tire and Rubber Company.

An interesting feature of the meeting will be "The Roll-Call of the Nations." Every nation now using the metric system will be represented either by the consul in person, or by someone formally accredited by him to appear at the conference. As the name of each nation is called brief statements showing the many practical advantages of the metric units as evidenced by its almost universal use, will be read.

The flashing of pictures of prominent men upon a motion picture screen, along with personal statements by them favoring the inauguration of the metric system, will be another feature of the meeting. Statements already received for this purpose have been sent by Burbank, Ford, Edison, Franklin K. Lane, Alexander Graham Bell, General Pershing, Leonard Wood, James Speyer, and ex-Secretary of Commerce Redfield.

To the person who has submitted the best word denoting both the United States and Great Britain a cash prize of $1000 will be awarded at the conference. The contest, which began almost a year ago, closed on May 1. The metric committee of the Foreign Trade Club, handling this contest, has received 125,000 words, sent by over 75,000 persons. The winning word will be used in all campaign literature of the metric committee to denote the only two important countries who have not adopted the metric system as their standard of weights and measures.

## THE SOVIETS AT WORK

Under the title, "The Soviets at Work," Lenin has recently made a statement that, should be brought to the attention of every American workingman. It deserves quotation in full:

"The Bolshevists have destroyed capitalism, nationalized industry and formed workers' soviets. But Russia is still far from communism and a socialistic Soviet republic.

"What the Bolshevists have done so far was the easiest part. It was the destructive part. It required only force and decrees. The hardest part is still before them. Bolshevism will fail unless it can rebuild Russian industries and get maximum production.

"This cannot be accomplished under the original plan of Bolshevism. The workers' soviet don't know how to run the factorise and keep order. And the workers aren't yet willing to work for the same rate of pay for different kinds of work. The machine worker still wants more than the man with a pick; and the brain worker still wants more than the machine worker. Russia will not have communities until human nature is changed and each man is willing to work for the good of all instead of for personal gain.

"It will take years to change human nature by education and to teach workers to run factories by soviet methods. But in the meantime industry must be recognized and maximum output by both factory and the individual worker maintained.

"The only course before the Bolshevist leaders is to take a step backward from the Soviet state—to return to the old order. They must call in bourgeois experts at large salaries to run the factories. They must adopt the factory methods of capitalistic America.

"And the Bolshevist leaders must go back still further. They must place the workers under iron discipline. They must make the hundreds and thousands of workers in each factory subject to the will of one man—the bourgeois manager. The workers must be compelled to work their hardest."

Thinking men by the thousands have said that with an ideal human family socialism would would be a most desirable system. Lenin, the proponent of Russia communism, from the depth of his terrible experience, approves those views. If we could get a knowledge of what is transpiring in Russia into the minds of our loose-thinking elements it would lead them to improve what we have rather than advocate the Russian system—and to court the inevitable Russian chaos.

(Extracts from Engineering News-Record, April 8, 1920.)

## CLEARING HOUSE REPORTS

### FROM CALIFORNIA CITIES

Bank clearings as reported to California Development Board by the several clearings house cities for last week showing the amount of increase on corresponding date last year:

# ADVANCE NEWS
## Official Proposals, Etc.

# Building.

## APARTMENT HOUSES.

Contract Awarded.
FLAT BUILDING Cost, $45,000
HOLLYWOOD, Los Angeles Cal.
Two-story frame and plaster flat building (4 6-room flats).
Owner—Roland Stern.
Architect—A. S. Heineman, Los Angeles.
Contractor—Herbert S. Heineman, 831 San Fernando Bldg., Los Angeles.

Contract Awarded.
APARTMENTS Cost, $46,000 approximately.
RICHMOND, Contra Costa Co., Cal.
Three-story frame and plaster apartment house (18 2 and 3-room apts).
Owner—Brown Estate (The Richmond Co., 2232 Macdonald Ave., Richmond).
Architects—Hutchinson & Mills, Albany Bldg., Oakland.
Contractor—M. C. Vaughn, 5833 Ayala St., Oakland.

To be Done By Days Work.
APARTMENTS Cost, $40,000
SAN FRANCISCO. SE California and Jordan Avenue.
Three-story and basement frame (12) apartments.
Owner—J. V. Campbell (contractor), 1040 Bryant St., San Francisco.

Completing Plans. Figures to be Taken in Two or Three Weeks.
APARTMENT HOUSE
Cost, $300,000 or more.
SAN FRANCISCO. NW Hyde and Filbert Streets, 137-6x137-6.
Six-story Class "A" reinforced concrete community apartment house.
Owner—The Arpa Co.
Architect—T. Paterson Ross, 310 California St., San Francisco.

Contracts Awarded.
APARTMENTS Cost, $27,954
SAN FRANCISCO. NW Lake Street and Eighteenth Avenue.
Three-story frame and plaster apartments (5 5-room apts.)
Owner—Mrs. J. E. Anderson.
Architect—Alfred I. Coffey, Humboldt Bank Bldg., San Francisco.
**General Contract** awarded to J. Harold Johnson, 180 Jessie St., for $23,000.
**Plumbing** to Frank J. Klimm, 221 Oak St., for $3,054.
**Painting** to C. E. Gordon, 1612 10th Ave., for $1,900.

SUB FIGURES BEING TAKEN..
Apartments Cost, $65,000
OAKLAND, Alameda Co., Cal., 14th and Webster Streets.
Four-story brick apartment house (20 2-room apts.)
Owner—Mr. Auzerais.
Architect—Maury I. Diggs, Union Sav-

## BANKS.

Contract Awarded.
Bank. Total Cost, $50,000
OROSI, Tulare Co., Cal.
One-story brick bank, 50x70.
Owner—Orosi National Bank.
Architect—Ernest J. Kump, Rowell Bldg., Fresno.
General Contractors—Chase & Sprout, Dinuba, Cal. Contract price approximately, $25,000.

## BONDS.

FILLMORE, Ventura Co., Cal.—The Trustees of the Fillmore Union Grammar School District have decided to submit a bond issue of $100,000 for a site and the first 6-room unit of a new grammar school. Tentative plans and estimates have been prepared by Architects Allison & Allison of Los Angeles.

TULARE, Tulare Co., Cal.—A second election to bond the city to finance construction of a soldiers' and sailors' memorial and city hall building failed to carry.

PRESCOTT, Ariz.—Yavapai County will vote May 8, on issuing $1,500,000 bonds for the construction of highways.

SAN JOAQUIN, Fresno Co., Cal.—Bonds of $1,000,000 for the purpose of building canals and laterals, sinking wells and otherwise improving, have been sold in the James Irrigation District.

As previously reported, the district is now taking bids for uncompleted portions of laterals A, B, I, J, and K from plans by H. M. Crooker, Resident Engineer, San Joaquin Valley Farm Lands Bldg., San Joaquin, Cal.

NAPA, Napa Co., Cal.—An election will be held in the Soscol School District, Napa County, May 28th, to decide the question of issuing bonds of $6,000 with which to finance school improvements.

Trustees of the district are: M. C. Almada, Michael Scally and Dan Madigan.

BAKERSFIELD, Kern Co., Cal.—Lacking the necessary two-thirds majority, the Kern County Soldiers' Memorial bonds for $400,000 were defeated.

The bonds were to provide nine memorial buildings at Bakersfield, Delano, Fellows, Taft, Maricopa, Wasco, Kernville, Tehachapi and McKittrick.

YREKA, Siskiyou Co., Cal.—An election held to vote bonds of $1,050,000 to finance construction of a county highway system failed to carry.

It is probable that another election will be called as the total count showed but 100 votes short of the necessary two-thirds majority

## CHURCHES.

Plans Being Prepared.
CHURCH Cost, $——
STOCKTON, San Joaquin Co., Cal. Lindsay and American Sts.
Church (500 seats).
Owner—Zion Lutheran Church (Rev. Geo. C. Jacobsen, Pastor).
Architects—Ward & Blohme, 454 California St., San Francisco.

Completing Plans. Ready for Figures in About Two Weeks.
CHURCH Cost, $——
STOCKTON, San Joaquin Co., Cal. Lindsay and American Streets.
One-story and basement brick church (500 seats).
Owner—Zion Lutheran Church (Rev. Geo. C. Jacobsen, Pastor).
Architects—Ward & Blohme, 454 California St., San Francisco.

Commissioned to Prepare Plans.
CHURCH, SCHOOL, ETC Cost, $250,000
MEDFORD, Oregon.
Masonry church, school, offices, etc; size of site, 200x100 (3 street frontages.)
Owner—First Methodist Episcopal Congregation of Medford, Ore.
Architects—Baker, Vogel & Evans, Pacific Block, Seattle, Wash.

Contract Awarded. Foundation Work Started.
CHURCH Cost, $11,500
VALLEJO, Solano Co., Cal. Illinois and Sonoma Streets.
Frame and stucco church building.
Owner—Mt. Zion Methodist Episcopal Colored Church. S. E. Edwards, Pastor, Vallejo, Cal.
Architect—Not Given.
Contractor—James Fuller, Vallejo, Cal.

## FACTORIES & WAREHOUSES.

Contract Awarded. Sub-Figures to be Taken in About Two Weeks.
FACTORY, ETC. Cost, $225,000 or more.
WOODLAND, Yolo Co., Cal.
One-story reinforced concrete factory building, 160x508 and two-story reinforced concrete administration building, 160x40.
Owner—Pacific Car Building Co., Russ Bldg., San Francisco.
Construction Engineers & Contractors—Unit Construction Co., Phelan Bldg., San Francisco.

Bids Wanted for Furnishing Labor Only.
ADDITION Cost, $100,000
OROVILLE, Butte Co., Cal.
One and two-story addition to present olive plant.
Owner—Ehman Olive Co., Oroville, Cal.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico, Cal.
The addition covers an area of 162' 7"x317' 6". All floors will be of ce-

ment. The basement will contain work and vat rooms. The vat room will contain 64 concrete vats. The main floor will contain work and packing, room, offices, dining room, locker room and lavatories.

The building is to have a concrete foundation. Main walls to be of frame construction covered with shiplap and rock faced; galvanized iron siding. Roof to be covered with corrugated galvanized iron.

All materials of every description to be furnished by the owners.

---

Plans Being Prepared.
FACTORY Cost, $——
PORTLAND, Oregon.
Reinforced concrete factory.
Owner—American Can Co., Mills Bldg., San Francisco.
Architect—Engineering Dept. of Owners, New York.
Construction will be started shortly by days labor and sub-contracts.

---

Plans Being Prepared.
FACTORY Cost, $——
STEGE, Contra Costa Co., Cal.
Fireproof paint factory.
Owner—Sherwin-Williams Paint Co.
Architect—Engineering Dept. of Owner.
Contractor—George Wagner, 251 Kearny St., San Francisco.
NOTE—Plans are expected to arrive shortly for additional buildings to be erected at the Emeryville plant, for which Mr. Wagner is also the contractor.

---

Contract Awarded.
FACTORY Cost, $75,000
HUNTINGTON PARK, Los Angeles, Cal.
Steel frame, brick and concrete factory
Owner—Byron Jackson Co.
Architect—Not Given.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.

---

Contract Awarded.
DEHYDRATING PLANTS Cost, $——
CALIFORNIA. Various Cities and Towns.
Ten or more reinforced concrete, hollow tile and brick dehydrating plants.
Owner—Fresno Dehydrating Products Co., Fresno.
Constructing Engineers & Contractors Unit Construction Co., Phelan Bldg San Francisco.
NOTE:—Construction has been started on one plant at Lodi.

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ALAMEDA, Alameda Co., Cal.—An application for a permit to erect and maintain a half million dollar oil plant at Webster street, on the canal, will be filed by the Associated Oil Company with the Alameda City Council at the next meeting, according to an announcement of City Manager C. E. Hewes. The plant will cost $500,000

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Plans Being Prepared.
ADMINISTRATION BLDG.
Cost, $80,000.
SAN FRANCISCO. SE Bay and Powell Streets, 97x160.
Three-story reinforced concrete administration building. 60x125, surrounded with lawns and flowers.
Owner—Simmons Co., 130 Bay St., San Francisco.
Architect—Edw. T. Foulkes. Crocker Bldg., San Francisco.
Low Bidder.
WAREHOUSE Cost, $40,000
SAN FRANCISCO. Sixteenth Street and San Bruno Avenue.
Two-story reinforced concrete warehouse, 88x100.
Owner—Lick School of Mechanical Arts 16th and Utah Sts., San Francisco.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
K. E. Parker Co., 519 California St., submitted the lowest bids and will probably be awarded the contract. Proposition A, $46,760; B, $42,860.

---

Plans Being Figured.
WAREHOUSE Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Three-story brick warehouse.
Owner—California Packing Cptn., 101 California St., San Francisco.
Engineer—Philip Bush, 101 California St., San Francisco.

---

SAN FRANCISCO.—Sir Thomas Lipton, who is expected in San Francisco in June, will pass on plans for erecting a $500,000 plant for packing coffee, cocoa and tea for the Thomas J. Lipton Company, Inc.

## FIREHOUSES AND JAILS.

SACRAMENTO, Cal.—In his annual report to the City Commissioners, G. C. Simmons, Commissioner of Public Health and Safety, recommended the erection of a new firehouse for Engine Company No. 1 in Second street between K and L streets. M. J. Desmond is City Clerk.

## GARAGES.

Plans Being Prepared.
GARAGE Cost, $40,000
SAN FRANCISCO. Taylor Street near Post Street.
Two-story reinforced concrete garage.
Owner—Withheld.
Architect—Fred'k. H. Meyer, 742 Market St., San Francisco

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Contract Awarded.
REPAIR SHOP Cost, $6,850
SAN FRANCISCO. S Lombard St. 225 W Van Ness Avenue.
One-story concrete auto repair shop.
Owner—Pio Vasconi, 3035 Larkin St., San Francisco.
Architect—C. Fantoni, 550 Montgomery St., San Francisco.
Contractor—J. Martinella, 1437 Mason St., San Francisco.

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Plans Being Prepared. Ready for Figures in About Ten days.
SHOP BUILDING Cost, $——
RICHMOND, Contra Costa Co., Cal. 13th Street N of Macdonald Ave.
Two-story brick or frame shop building
Owner—Spiersch Bros., 25 Park Place, Richmond.
Architect—Jas. T. Narbett, Macdonald Ave., Richmond.

## GOVERNMENT WORK AND SUPPLIES.

SAN DIEGO, Cal.—The public works officer of the 12th naval district, Timken Bldg., San Diego, has received preliminary plans for the $1,000,000 naval hospital to be erected at Balboa Park and these will be returned to Washington for any changes recommended. Plans are being prepared in the public works office in San Diego for the $5,000,000 naval training station on Point Loma. Congress has made an appropriation of $1,000,000 for initial construction on the station.

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WASHINGTON, D. C.—Up to May 15th, 10:30 A. M. bids will be received by the General Purchasing Officer, The Panama Canal, under Circular No. 1365 for furnishing and delivering the following materials; delivery to be made Balboa (Pacific Port) or Cristobal (Atlantic Port:

Vault door, babbit, brass, bronze, copper, pig tin, zinc boiler plate, bolts, nails, nuts, rivets, spikes, copper cable, copper wire, brass tubing, copper tubing, tackle blocks, shovels, wheelbarrows, builder's hardware, safety treads, electric bells, condulets, electric fixtures, reflectors, lamp sockets, snap switches, fire brick, rock salt, paint brushes, marine fixture globes, rubber gloves, lamp coloring, ship felt, oakum, manila rope, and bond paper.

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WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, Washington, D. C., is preparing specifications for auxiliary equipment and piping for air compressor at the Puget Sound Navy Yard. The work is provided for under Specification No. 4179.

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WASHINGTON, D. C.—Bids will be received up to May 24th, 2 P. M. by the Department of the Interior, Office of Indian Affairs, Washington, D. C. for the construction of an "Employees' Frame Cottage No. 86 at the Tulalip Indian School, Tulalip, Washington."

Plans may be seen at the U. S. Indian Warehouse, 608 Howard street, San Francisco.

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SAN FRANCISCO.—Bids will be received by the U. S. Engineer Office, 240 Montgomery street, up to May 15th, 10 A. M. under Circular No. 2378 for furnishing and delivering lumber, f. o. b. regular wharf, Rio Vista, Solano County, following lumber:

24 pieces 6"x8"x18', No. 1 Common Oregon Pine, Rough, 1728' B. M.

72 pieces 6"x8"x4', No. 1 Common Oregon Pine, Rough, 1152' B. M.

16 pieces 4"x6"x26', No. 1 Common Oregon Pine, Rough, 832' B. M.

## HALLS & SOCIETY BUILDINGS

Plans Being Prepared.
ALTERATIONS Cost, $30,000
BALLARD, Washington.
General alterations for lodge rooms.
Owner—Ballard Lodge of B. P. O. E., No. 827, Ballard, Wash.
Architects—McQuaker & Horrocks, Mehlhorn Bldg., Seattle.

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Ready for Figures Wednesday.
CLUB BUILDING Cost, $25,000
OAKLAND, Alameda Co., Cal. Second Avenue and E-16th Street.
Two-story brick or concrete carmen's club building.
Owner—San Francisco, Oakland Terminal Railways (W. R. Alberger, General Manager.)
Architect—C. W. McCall, Central Bank Bldg., Oakland.
NOTE:—Alternate figures will be taken for brick and concrete construction.

Contract Awarded on a Percentage Basis.
ADDITION Cost, $250,000 approximately.
SAN FRANCISCO. N Sutter Street W Mason Street.
Seven-story Class "A" addition to present club building (adjoining).
Owner—Women's Athletic Club, Prem.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

Contract Awarded.
MASONIC HOME
Contract Price, $48,145.
FOREST GROVE, Oregon.
Excavation, concrete and masonry, plastering, terra cotta and carpentry for reinforced concrete Masonic Home.
Owner—Grand Lodge of Masons.
Architect—W. C. Knighton, U. S. Bank Bldg., Portland.
Contractor—Robert Shelley, 204 Henry Bldg., Portland.
The heating contract has been let to the Kendall Heating Co., 24 Front St., Portland, at $11,595, and the plumbing to Bergh-Griggs Co., of Tacoma, Wash., at $13,899.

SAN PEDRO, L. A. Co., Cal.—A 2-story naval Y. M. C. A. building will be erected at San Pedro by navy men. It will be a modern hotel to cost $50,000 and is designed to improve housing conditions for men from the Pacific fleet and submarine base. Naval Recruiting Officer Wilbur and others are promoting the project.

Figures to be Called For in About a Month.
ADMINISTRATION BLDG., ETC.
Cost, $500,000
SAN FRANCISCO. Ocean Ave., bounded by Faxon and Ashton Avenues, etc.
One-story Class "C" administration building, one-story Class "C" gymnasium, one-story reinforced concrete power house, 9 frame cottages, superintendent's house, assistant's house and shop building for orphanage.
Owner—Pacific Hebrew Orphan Asylum and Home Society.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
The contract for grading, paving, road work, sewer and water systems, etc., has been awarded to The Pacific States Constr. Co., Call Bldg., for $32,585.

## HOSPITALS.

All Bids Rejected.
CHILDREN'S WARD, ETC. Cost, $——
SACRAMENTO, Cal. County Hospital.
Two-story and basement reinforced concrete and hollow tile service and children's ward.
Owner—Sacramento County.
Architect—R. A. Harold, Forum Bldg., Sacramento.
Bids were opened on May 3rd by the Board of Supervisors, all were over the estimate and were rejected. It has not been decided what action will be taken. The bids follow:
Wm. C. Keating, Sacramento...$142,800
Wm. Murcell, Sacramento..... 146,977
Mathews Con. Co., Sacramento 151,887

Contract Awarded.
HOSPITAL BLDG. Cost, $145,000
JERMOE, Arizona.
Two-story and basement Class "A" hospital building.
Owner—United Verde Extension Mining Company.
Architects—Lescher & Kibbey, Phoenix Arizona.
Contractor—Wm. Simpson Co., Marsh-Strong Bldg., Los Angeles.

SACRAMENTO, Cal.—Three bids received by the Sacramento County Supervisors for the construction of a two-story and basement reinforced concrete and hollow tile service and children's ward building for the Sacramento County Hospital have been rejected as being above the amount available for construction. Bids received follow:
Wm. C. Keating, $142,800; Wm. Murcell, $146,977, and Mathews Constr. Co., $151,887, all of Sacramento.
Plans were prepared by Architect R. A. Herold, Forum Bldg., Sacramento.
What action will be taken regarding construction has not yet been determined.

## HOTELS.

Contract Awarded.
REMODEL HOTEL Cost, $6,000
SAN FRANCISCO. No. 111 Taylor St.
Remodel hotel lobby.
Owner—J. H. Berghauser, 333 Kearny St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Otto Carlson, 110 Jessie St., San Francisco.

RIPLEY, Riverside Co., Cal.—The Blythe Construction Co., Investment Bldg., Los Angeles, has started the erection of a 38-room hotel at Ripley, the new town site 10 miles south of Blythe. The building will have concrete walls and will cost about $60,000. work has also been started on a rooming house with 32 rooms and a number of store buildings are under construction. The Blythe Construction Co., is both owner and builder. The work is being done by subcontract under the direction of Engineer G. E. Rice, whose headquarters are at Blythe.

## POWER PLANTS.

Plans Being Prepared.
ADDITION Cost, $50,000
RIVERSIDE, Riverside Co., Cal. Eighth Street.
Two-story steel and concrete addition to power plant.
Owner—Southern Sierras Power Co., Riverside, Cal.
Architect—W. Charles Tanner, Riverside, Cal.

LOS ANGELES, L. A. Co., Cal.—Los Angeles Gas & Electric Corporation, has had plans prepared and will erect an addition for a turbo-generating plant at 1229 Factory Place. It will be 33x53 ft., with a basement 21 ft. deep and superstructure 32 ft. high. Cost, $35,000.

DOUGLAS, Ariz.—The farmers of Sulphur Springs valley are considering the erection at Douglas of a 20,000 h. p. power plant to furnish power to operate pumps for irrigation over a district comprising about 100,000 acres. Estimated cost of project, $2,000,000.

## PUBLIC BUILDINGS.

New Bids to be Called For.
COURT HOUSE Cost, $150,000
RED BLUFF, Tehama Co., Cal.
Two-story concrete and interlocking tile fireproof County Court House.
Owner—County of Tehama. H. G. Kuhn, County Clerk.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
The bid of R. W. Moller, San Francisco, was the only one received on May 3rd for the general contract. It was returned un-opened and a meeting will be held on May 10th to call new bids.
Bids will be taken on three propositions as follows: A general contract; general contract, except the mechanical equipment, and segregated contracts on all parts of the work.
Plans, specifications and bid blanks may be obtained from the office of H. G. Kuhn, County Clerk, at Red Bluff, or the Architects' office. Deposit of $25 required.

STOCKTON, San Joaquin Co., Cal.—Up to May 18th, 10:30 A. M. bids will be received by A. L. Banks, City Clerk, for furnishing two fire proof cabinets for the City Assessor and Tax Collector of the City of Stockton; one fire proof cabinet for the City Superintendent of Streets of the City of Stockton and one fire proof cabinet for the City Auditor. Certified check of 10% payable to City Clerk required.

Contract Awarded.
HEATING PLANT Cost, $132,340
TACOMA, Washington.
Erection of State group heating plant.
Owner—State of Washington.
Architects—Wilder & White of New York and Bebb & Gould, Securities Bldg., Seattle, Associates.
Contractor—The Western Construction Co., Seattle, Wash.
The contract for mechanical equipment was awarded to the Berg-Grits Co. of Tacoma at $124,879.

FAIRFIELD, Solano Co., Cal.—C. W. Smith of Sacramento, has been awarded a contract by the County Supervisors for furnishing and delivering one double space metal standing desk containing 234 roller book shelves for use in the County Recorder's Office, on his bids of $1,387. The only other bidder was M. G. West Co., of San Francisco, at $1,561.50

## RESIDENCES.

Plans Being Prepared.
RESIDENCE Cost, $25,000
LOS GATOS, Santa Clara Co., Cal.
Two-story frame and plaster country residence (10 rooms and two-story garage with living apts.)
Owner—Samuel Rucker, 677 Mission St., San Francisco.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $50,000
LOS ANGELES, Cal. Olive Hill, SW Vermont and Hollywood Blvd.

One and two-story hollow tile residence (17 rooms and 7 bathrooms), also a concrete swimming pool, garden houses, etc.
Owner—Aline Barnedall, 706 Merritt Bldg., Los Angeles.
Architect—Frank Lloyd Wright, Investment Bldg., Los Angeles.
Contractor—S. G. H. Robertson, 316 Investment Bldg., Los Angeles.

Contract Awarded.
RESIDENCE Cost, $65,000
LOS ANGELES, Cal. Sixth Street and Plymouth Boulevard.
Two-story frame and brick veneer residence.
Owner—Lois M. Pattison.
Architect & Contractor—Milwaukee Building Co., 815 Wright & Callender Bldg., Los Angeles.

Plans Being Prepared.
RESIDENCES Cost, $8,000 to $25,000 each.
SAN FRANCISCO. Forest Hill and Twin Peaks Tunnel Districts.
Ninety two-story frame residences.
Owner—C. S. Allred, 150 Onondaga Ave., San Francisco.

Contract Awarded.
BUNGALOWS Cost, $6,000 each
REDDING, Shasta Co., Cal. Liberty St. bet. Market and Pine Streets.
Two two-story and basement frame and plaster bungalows.
Owner—Byron G. and Clifford S. Eaton, Redding, Cal.
Designer & Contractor—William Stephens, Redding, Cal.

Segregated Figures Being Taken.
RESIDENCE Cost, $50,000
PIEDMONT, Alameda Co., Cal. Piedmont Acres.
Two-story and basement frame and plaster residence and garage (12 rooms and 3 bathrooms).
Owner—Withheld.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

Owner b

One-story frame and plaster residence (6 rooms).
Owner—Mrs. Len Hatch.
Architect—Joseph L. Stewart, Claus Spreckels Bldg., San Francisco.
Figures are being taken for a general contract.

## SCHOOLS.

Plans Being Figured. Bids Close May 18, 1920, 4 P. M.
SCHOOL Cost, $260,000
BERKELEY, Alameda Co., Cal. Rose and Grant Streets.
One and two-story brick school, 22 rooms (auditorium, manual training, domestic science, etc).
Owner—City of Berkeley.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Plans may be obtained from the offices of Mr. Hays, First National Bank Bldg., San Francisco, or Rm. 12, Wright Bldg., Center and Oxford Sts., Berkeley, on a deposit of $10.00.
Segregated bids are being taken as follows:
Excavation and grading.
Concrete.
Masonry.
Structural Iron.
Carpentry.
Roofing.
Sheet Metal Work.
Lathing and Plastering.
Ornamental Iron.
Plumbing.
Electrical Work.
Painting.
Heating.
Shades.
Linoleum.
Lockers.

Plans Being Figured.
SCHOOL Cost, $60,000
COMPTON, Los Angeles Co., Cal.
One-story hollow tile school, 228x100 (8 rooms).
Owner—Compton School District.
Architect—Arthur W. Angel, 3739 Princeton Ave., Los Angeles.
Plans may be obtained at the residence of the architect. A. C. Cooney, First National Bank Bldg., Compton, is the Clerk of the School Board.

Plans Being Figured. Bids Close May 19, 1920, at 3 P. M.
ALTERATIONS Cost, $32,000
SAN FRANCISCO. N Excelsior St., Bet. Lisbon and Paris Streets.
Alterations to school (fireproof stairways, etc.)
Owner—City and County of San Francisco.
Architect—John Reid Jr., 1st National Bank Bldg., San Francisco.
Figures are being taken for a general contract.

Plans Being Figured. Bids Close May 22nd, 2 P. M.
SCHOOL Cost, $——
CARMICHAEL, Sacramento Co., Cal.
One-story interlocking hollow tile school.
Owner—Carmichael School District, H. L. Nelson, Clerk, R. D. 3, Box 245, Sacramento, Cal.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Deposit of $20 required for plans. Certified check of 10% payable to J. F. Barrett, President of Board of Trustees of District, must accompany each bid.

Plans Being Prepared.
SCHOOL Cost, $10,000
CITRONA PARK, Glenn Co., Cal.
One-story grammar school.
Owner—Citrona Park School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
NOTE:—An election will be held May 8th to decide the question of issuing and selling bonds to finance construction.

Plans Being Prepared.
SCHOOL Cost, $30,000
MALAGA, Fresno Co., Cal.
One-story five-room grammar school.
Owner—Malaga School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

SAN FRANCISCO.—On recommendation of City Architect John Reid Jr., First National Bank Bldg., the Board of Public Works has requested the Supervisors to appropriate $80,000 to cover the cost of electric work, brick work, interior and exterior plastering at the Grant School on the north side of Pacific avenue, between Broderick and Baker streets.
The contract for general construction has already been awarded to Anderson & Ringrose, 320 Market street, and the plumbing, heating and ventilating contracts to A. Lettich.

BERKELEY, Cal.—The Berkeley Board of Education has awarded a contract for furnishing and laying a tile flooring in the Thousand Oaks School Building to Scott Co. at $466.50.
The only other bid was submitted by the Rigney Tile Co.

OAKLAND, Cal.—George E. Atkins has been appointed heating, ventilating and sanitation engineer of the Construction Department handling the city's school building program under the bond issue, of which Marston Campbell is Chief of Construction. Atkins will supervise all of the sanitary, heating and ventilating features of the new schools. Romaine Meyers will be appointed electrical engineer of the department, according to Campbell.

VALLEJO, Solano Co., Cal.—Bonds to the amount of $500,000 were voted on May 4th by the citizens of Vallejo for the construction of new school buildings.
The following architects have been selected to prepare the plans:
W. H. Weeks, 75 Post St., San Francisco, fireproof high school, $250,000.
Perry & Clark, 1209 Sutter St., Vallejo, fireproof elementary school.
Woollett & Lamb, Physicians Bldg., Sacramento, and Perry & Clark of Vallejo, associated, fireproof elementary.

## STORES AND OFFICES.

AUTO SALES BLDGS. Cost, $100,000 approximately.
SAN FRANCISCO, Golden Gate Avenue and Leavenworth Street.
Three reinforced concrete auto sales buildings (1 3-story and 2 2-story)
Owner—Louis R. Lurie, Flatiron Bldg., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
Barrett & Hilp have awarded the following contracts:

**Plumbing** to Ahlbach & Mayer, 85 Dorland Street.
**Electric Work** to Victor Lemoge, 152 Fourth Street.
**Roofing** to Mallott & Peterson, Monadnock Bldg.
**Steel Sash** to The Detroit Steel Products Co., 68 Post Street.
**Glass** to J. B. Crowe, 715 Van Ness Avenue.

Plans Being Prepared.
MERCANTILE BLDG. Cost, $235,000
LOS ANGELES, Cal. SE Sixth and Olive Streets.
Two-story and basement Class "A" mercantile building, 130x150 (stores and dance hall).
Owner—Mrs. Mary Spires.
Architect—John C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.

RICHMOND, Contra Costa Co.—The Pacific Telephone & Telegraph Company have purchased some property on 23d St. and MacDonald Ave., Richmond and will erect an exchange building some time in the future. No plans have been prepared as construction is not expected to start for at least a year.

Plans Being Prepared.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. Eddy Street and Van Ness Avenue.
Two-story brick auto sales building.
Owner—H. H. Helbush, 75 Sutter St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.

Figures to be Called For End of This Week.
STORE & LOFT BLDG. Cost, $——
SA NFRANCISCO. SW Mason and Dickman Place.
Two-story and basement reinforced concrete store and loft building.
Owner—Carlo Matrala.
Architect—August G. Headman, Call Bldg., San Francisco.

Completing Plans. Ready for Figures Shortly.
STORE BLDG. Cost, $30,000
SAN FRANCISCO. Eddy Street West of Jones Street.
Two-story concrete store building.
Owner—Alvin Sellg.
Architect—Mathew O'Brien, 68 Post St., San Francisco.

Contract Awarded
AUTO SALES BLDG. Cost, $46,000
SACRAMENTO, Cal. No. 1200 K St.
Two-story reinforced concrete auto sales building.
Owner—A. H. Moeller, Sutter Club, Sacramento.
Architect—J. C. Petersen, Peoples' Savings Bank Bldg., Sacramento.
Contractor—McGillivary Constr. Co., Capitol National Bank Bldg., Sacramento.

Contract Awarded.
ALTERATIONS Cost, $45,000
FRESNO, Fresno Co., Cal. Tulare and Van Ness Streets.
Remodel present printing department of newspaper plant into 4 stores, 18'x50' each.
Owner—The Fresno Republican, Republican Bldg., Fresno.
Architect—Not Given.
Contractor—R. Pedersen Co., 116 Clark St., Fresno.

Contract Awarded. Foundation Work Started.
AUTO SALES ROOMS Cost, $10,000
VALLEJO, Solano Co., Cal. Sonoma St.
One-story reinforced concrete auto sales rooms and garage, 50x75.
Owner—Dr. F. Burton Jones.
Lessee—B. Neustadt, Vallejo, Cal.
Architect—Not Given.
Contractor—George Barenchi, Vallejo.

## THEATRES.

Plans Being Figured.
THEATRE, ETC. Cost, $230,000
FRESNO, Fresno Co., Cal.
Class "A" theatre (280 seats) and a three-story Class "B" reinforced concrete apartment house.
Owner—Foley & Rowell.
Architects—Reid Bros., 105 Montgomery St., San Francisco.

Plans Being Prepared
THEATRE & STORES Cost, $150,000
SAN FRANCISCO. Castro Street, bet. 17th and 18th Sts.
Class "A" motion picture theatre and stores.
Owner—Nasser Bros.
Architect—J. R. Miller, Lick Bldg., San Francisco.

Plans Being Prepared.
THEATRE Cost, $——
LOS ANGELES, Cal. Santa Monica Ave.
Two-story brick and terra cotta motion picture theatre, 75x175.
Owner—J. B. Zeller.
Architect—Frank F. Rasche, 5751 Hollywood Blvd., Los Angeles.

ings Bank Bldg., Oakland.
Figures Being Taken.
ALTERATIONS Cost, $12,000
MARTINEZ, Contra Costa Co., Cal. Novelty Theatre.
Alter and add to brick motion picture theatre (erect balcony to seat 250)
Owner—A. Gattman.
Architect—Milton Latham, 452 Montgomery St., San Francisco.

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# Engineering.

## BRIDGES, DAMS & HARBOR WORK.

CALEXICO, Imperial Co., Cal.—A committee representing six water companies interested in the Volcano lake project, has authorized Engineer J. C. Allison of Calexico, to preceed with surveys to determine the practicability of Engineer Sellew's plan to divert flood water from the Colorado river into the lake for storage until the dry season. Mr. Allison declares it feasible to turn the river back into the old channel through which it ran prior to 1909. If water is stored in the lake it would be turned into the present canal system through the Cerro Prieta canal. Mexicon interests have agreed to bear 50% of the cost of the survey.

SAN FRANCISCO.—The San Francisco Board of Public Works awarded the contract for the construction of aqueduct tunnels in the Mountain Division of the Hetch Hetchy project on a cost plus fee basis, under Contract No. 77-C, to the Construction Company of North American, San Francisco.

The Board requested the Supervisors to appropriate $8,000,000 and $2,719,000 to cover the cost of the improvement.

SAN FRANCISCO—Bids were opened on May 6th by the Board of State Harbor Commissioners for furnishing materials and constructing bulkhead wharf in front of Pier 19, including the replacement of timber approach to Pier 19, on the water front of San Francisco.

The following bids were received:

| | Check | Bid |
|---|---|---|
| Hannah Bros. | $1,200 | $22,650 |
| A. W. Kitchen | 1,250 | 24,767 |
| Healy Tibbitts Con. Co. | 1,200 | 21,440 |

SACRAMENTO, Cal.—State Engineer W. F. McClure is completing a report on the feasibility of the proposed Tule Irrigation District, comprising 25,000 acres in Lassen County. It is planned to tap Eagle Lake.

The report, when completed, will be forwarded to the Lassen County Supervisors for consideration.

PHOENIX, Arizona.—English and Pierce have been awarded the contract by the State Highway Commission for the construction of the Cienega Bridge, at $27,480, bids for which were opened April 26th. The structure will be 278 feet long with a 146 ft. clear span.

The only other bidder was M. L. Tophoy at $38,000.

Thos. Maddock is State Highway Engineer.

FLORENCE, Ariz.—Until 2 P. M., June 1, bids will be received by the Pinal County Highway Commission at Florence for constructing concrete bridge, culverts, headwalls and retaining walls on Ray-Kelvin highway, involving approximately 160 cu. yds. Class A concrete, 630 cu. yds. Class C concrete; 1120 cu. yds. cement rubble and 12,000 lbs. reinforcing steel. Commission will furnish corrugated metal pipe. Plans may be secured from W. W. Lane, County Highway Engineer, for sum of $10. E. G. Dentzer, Secretary.

SAN JOSE, Santa Clara Co., Cal.—Up to June 7th, 11 A. M., bids will be received by Henry A. Pfister, County Clerk, for the construction of a reinforced concrete bridge on the Agnew road over Quito and Campbell creek.

FLORENCE, Ariz.—Until 2 P. M., June 7, bids will be received by Pinal County Highway Commission at Florence for furnishing plans and for constructing two reinforced concrete bridges across Mineral creek on Ray-McKelvin highway. Each structure will be 150 feet clear opening, single arch. Profile, topographical maps and specifications may be obtained from W. W. Lane, County Highway Engineer, for the sum of $10.

SACRAMENTO, Cal.—Up to May 18th, 10 A. M., bids will be received by the State Reclamation Board, 835 Forum Bldg., Sacramento, for the estimated excavation of between 65 and 70 thousand cubic yards of material tearing down old levees in the Sutter By-Pass, in Township 14, North Range 3 east, Mount Diablo Base and Meridian. Material to be wasted in old borrow pits each side of levees taken down.

Bidder will state price per cubic yard removed. Cash progress payments of 90 per cent monthly on approval of engineer of Reclamation Board.

Bidders can examine plans and specifications at the following places:

835 Forum Bldg., Sacramento; State Reclamation Board's Office, Sutter City.

W. P. Dwyer, Camp No. 4; A. M. Wells, Res. Eng., State Reclamation Board, 24° First St., San Francisco.

## IRRIGATION PROJECTS.

YUBA CITY, Sutter Co., Cal.—The Supervisors have accepted a petition presented by farmers in the vicinity of Nicolaus for a new irrigation district. The plans will be forwarded to the State Engineer for approval.

MARTINEZ, Contra Costa Co., Cal.—The Contra Costa County Supervisors have approved a petition for the organization of an irrigation district in the Lone Tree section comprising 2035 acres. The proposed district will be submitted to the State Engineers for approval.

## LIGHTING SYSTEMS.

SALINAS, Monterey Co., Cal.—The Supervisors have awarded a contract to H. C. Reed Company of San Francisco at $3,900 for the installation of twenty-seven electroliers on the county bridge at King City.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

STOCKTON, San Joaquin Co., Cal.—City Council, A. L. Banks, Clerk, has passed resolution of intention No. 647 providing for the improvement of portions of North street from California west to Center street by grading and constructing concrete curbs, gutters and sidewalks and paving with a gravel base 2½ inches thick and an asphaltic concrete wearing surface 4½ inches thick. W. B. Hogan is the engineer.

Cal.—John Engebretsen, 205 McNeece Bldg., San Diego, submitted the only bid at $105,600 for the construction of about 10.7 miles of cement pipe sewers, 4 to 12 in., and one rectangular septic tank. C. B. Ireland, city engineer.

SANTA MONICA, Los Angeles Co., Cal.—An ordinance of intention to improve San Vincente Blvd. between Seventh and 26th streets was adopted by the City Commission on April 26; work to be done under Improvement Act of 1911. About 8000 lin. ft. of roadway will be paved 28 ft. wide with 2½-in. asphaltic concrete base and 1½-in. bitulithic surface, about 461,000 sq ft. There will also be about 550 ft. of 30-in. radial interlocking brick storm drain and a 24-in. corrugated iron pipe storm drain. John A. Morton, City Engineer.

SAN DIEGO, San Diego Co., Cal.—C. H. Hudson, 408 Marsh-Strong Bldg., Los Angeles, was awarded the contract at $59,318.80 for grading and constructing reinforced concrete and corrugated iron culverts on Mission road No. 1, Sec. A, county highway, over Poway hill, approximately 6 miles.

SAN DIEGO, San Diego Co., Cal.—Until 2 P. M., May 17, bids will be received by the Supervisors of San Diego County for grading and paving Lemon Grove road No. 4 from Greenwood cemetery to La Mesa except that portion in Encanto City. The project is 31,416 ft. in length and will involve 14,500 cu. yds. excavation, 8727 cu. yds. Class A concrete paving, 125 cu. yds. Class A concrete culverts, 5761 lbs. reinforcing steel and 26,100 sq. ft. reinforcing mesh. Plans and specifications may be obtained from highway commission, 533 Union Bldg., on deposit of $5. Certified check or bond for 5% required. R. M. Morton, Highway Engineer.

MONTEREY, Monterey Co., Cal.—Contractor Cerrano has been granted a permit by the City Council, Archie Kay, Clerk, to improve, under private contract, Ocean View avenue in New Monterey.

SACRAMENTO, Cal.—The selection of a type of pavement for streets in Sacramento will be discussed by the City Commissioners in the near future.

Commissioner Carmichael urges the use of Warrenite pavement while Commissioner G. C. Simmons advocates the laying of Topeka pavement.

M. J. Desmond is City Clerk.

LOMPOC, Santa Barbara Co., Cal.—Surveys have been completed for the new Lompoc highway between Buell's and Santa Rita and this will be the first section improved. An effort is being made to induce the banks to buy the $400,000 bonds voted for the highway. Major Robert McGregor of Lompoc, is in charge of the work.

RENO, Nevada.—On recommendation of the City Engineer the City Council has instructed that preliminary work for a number of street improvements be started.

The work to be undertaken includes grading, scraping and scarifying on Maple, Jones, Lake, Winter, Vine and Roberts streets and Wells avenue.

MODESTO, Stanislaus Co., Cal.—The City Council has passed Resolution of Intention No. 96 providing for the improvement of Twelfth street from L to N, and Resolution No. 97 for the improvement of Thirteenth street from L to Needham, by grading, paving with a 4-inch concrete base and a 1½-inch bitulithic wearing surface and construction of concrete curb and gutters.

W. O. Thompson is City Clerk.

MODESTO, Stanislaus Co., Cal.—The City Council has granted a petition of property owners seeking the construction of concrete sidewalks in Enslen avenue.

Similar action was taken on a petition urging the paving of Fifteenth street, between H and I streets.

The Council has adopted specifications for paving numerous street intersections and a call for bids will be issued shortly. W. O. Thompson is City Clerk.

LOS ANGELES, Cal.—Until 11 A. M., May 24, bids will be received by the Board of Supervisors of Los Angeles County, for constructing a brick incinerator, screen enclosures to garbage drain, and paving box yard with concrete at the county hospital. Plans and specifications may be obtained at the office of the Board, Hall of Records. The work will include a steel stack, iron doors, metal chute, etc.

SACRAMENTO, Cal.—The State Highway Department has awarded a contract to Geo. S. Benson & Sons of Los Angeles, for the construction of the State highway between Woodland and Zamora, Yolo County, Division III, Route 7, Section B. The contract price is $140,888. The stretch will be 10.7 miles in length.

SACRAMENTO, Cal.—The California State Highway Commission opened bids on May 3rd for highway improvement in four counties and the following bids were received:

Amador County, between Ione and Jackson (III-Ama-31-B), about 10.7 miles in length to be graded.

| | |
|---|---|
| J. E. Johnston, Tracy | $ 86,307 |
| W. S. Mead, San Francisco | 100,129 |
| M. Blumankranz, Stockton | 109,885 |

Engineer's Estimate, $62,332.20

Tehama County, between Red Bluff and Northerly Boundary (II-Teh-3-C), about 13.6 miles in length to be paved with Portland cement concrete.

Guy S. Atkinson, Portland, Ore. $216,125

Engineer's Estimate, $139,650.

Placer County, between Auburn and Northerly Boundary (III-Pla-17-C), about 6.6 miles in length to be paved with Portland cement concrete.

No bids received.

Imperial County, between Tule Wash and Gravel Wash (VII-Imp-26-D), about 6.5 miles in length to be paved with Portland cement concrete.

No bids received.

SEBASTOPOL, Sonoma Co., Cal.—The Street Committee of the Board of Trustees has been authorized to secure the services of a contractor to scarify North Main street, Healdsburg, Petaluma and Bodega avenues at a cost not to exceed $300.

LOS ANGELES, Cal.—George R. Curtis, 2440 E. 26th St., was awarded the contract on May 1 at $26,053.97 for improving York Blvd. between Avenue 56 and Avenue 53, involving 38,004 sq. ft. grading at 15c ft.; 38,004 sq. ft. asphalt pavement at 37½c ft.; 996½ lin. ft. cement curb at 75c ft.; 6266 sq. ft. cement sidewalk at 25c ft.; 1576 sq. ft. concrete gutter at 50c ft., and storm drain at $3000. Engineer's cost estimate, $19,899.19.

PHOENIX, Ariz.—The Supervisors of Maricopa County have decided to appropriate funds for the 75% state road fund to match federal aid for reconstructing the Grand Ave. road from Phoenix to Glendale.

NEWMAN, Stanislaus Co., Cal.—At the last meeting of the City Trustees a committee composed of Trustees Newman, Patchett and Douty, was appointed to look into the matter of street improvements. This is understood to be the first step toward a more or less extensive paving movement, to include from a dozen up to twenty-five or thirty blocks. One of the main objects is to provide paved entrances for the county roads.

LONG BEACH, Los Angeles Co., Cal.—B. H. Cunningham, 253 American Ave., Long Beach, submitted the lowest bid at $17,322.48 for paving Golden Ave. between 4th St. and a point 420 ft. south of Ocean Blvd., involving 78,237.74 sq. ft. concrete paving with bituminus protective coat at 21.4c ft.; 4996 lin. ft. cement curb at 50c ft.; 20 sq. ft. cement gutter at 25c; 448.36 sq. ft. cement sidewalk at 20c ft.; $375 for corrugated iron and concrete culvert and $85 for vitrified pipe connecting sewers. Fairchild-Gilmore-Wilton Co., Los Angeles, submitted the only other bid at $18,818.88, its unit prices being 23c for paving, 60c for curb, 23c for gutter, 20 c for sidewalk, $550 for culvert and $150 for sewers. A. de Ruiz is city engineer.

OLYMPIA, Wash.—The contract for paving East Bay avenue from Third street to Priest Point park has been awarded by the City Council to Albers & Son for $88,939. The engineer's estimate on the work was $89,490.

BERKELEY, Alameda Co., Cal.—The City Council has passed resolution of intention No. 408-NS., providing for the improvement of Eighth street from Virginia to Camelia street, by grading, constructing concrete curbs and gutters and macadamizing with asphalt macadam, and the construction of a six inch vitrified ironstone pipe sewers in Eighth street from Cedar street, north 380 feet and from Jones street north to a point 380 feet including brick manholes. The work is to be done under the Improvement Act of 1911.

SEATTLE, Wash.—E. M. Macquaid at $35,800 submitted the low bid to the King County Commissioners for grading and graveling 2.5 miles of the R. A. Ballinger road. The bid has been taken under advisement.

OAKLAND, Alameda Co., Cal.—The Alameda County Chamber of Commerce has taken preliminary steps for the construction of a motor road, connecting Alameda and San Leandro by way of Bay Farm Island. Plans call for the reconstruction of an abandoned road, by the county, at an estimated cost of $50,000.

STOCKTON, San Joaquin Co., Cal.—Up to May 21st, 10:30 A. M., bids will be received by A. L. Banks, City Clerk, for the improvement of Rose street from Edison street west to Yosemite; Stockton street from Rose street south to the north boundary of San Joaquin County; Baker street from Rose street south to the north boundary of San Joaquin County and Edison street from North street to the south boundary of Lomita Park, by grading; constructing concrete curbs and gutters and paving with oil macadam, consisting of a 4-in. cement gravel foundation with a wearing surface of crushed rock and oil 2 inches thick.

Certified check of 10% payable to City required.

BAKERSFIELD, Kern Co., Cal.—Up to 5 P. M., May 17th, bids will be received by V. Van Riper, City Clerk, for the construction of a six-inch vitrified, salt-glazed sewer pipe in the alley first south of Fourteenth from a point 139.25 feet west of O street, thence west 95 feet; also a six-inch sewer in the alley first south of Fourteenth street from a point 53.75 west of O street, thence east 288 feet; also a six-inch sewer in the alley first south of Thirteenth street from a point 28.75 feet east of O street, thence west 263 feet; also a six-inch sewer in the alley first south of Thirteenth street, from a point 63.75 feet west of O street, thence east for a distance of 634 feet including the construction of lampholes and Y's for house connections. The work will be done under the Improvement Act of 1911.

Certified check of 10% payable to City required.

SOUTH PASADENA, Los Angeles Co., Cal.—Until 5 p. m., May 19, bids will be received by City Clerk B. V. Garwood for paving Orange Grove Ave. between Mission St. and north city boundary with 5-in. plain concrete and constructing cement curb and catch basins; work to be done under Imp. Act of 1911.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council has passed Resolution of Intention No. 280-C providing for the construction of a 6-inch vitrified, salt-glazed pipe sewer in a portion of Laurel avenue from Front street, west 212 feet, one brick manhole with cast iron cover, ten Y branches each having 4-inch opening; also a 6-inch sewer in a portion of Laurel avenue, from Front street, east for a distance of 75 feet, including the construction of Y's, etc. The work will be done under the Improvement Act of 1911. S. A. Evans is City Clerk.

OLYMPIA, Wash.—The following contracts have been awarded by the Washington State Highway Commission:

For grading and graveling 7.42 miles of the Inland Empire highway from Pomeroy to Alpowa, awarded to Porter & Conly, Portland, for $168,506.

On the North Central highway in Grant County, for grading and graveling 3.31 miles from Wilson creek to Martin, awarded to General Construction Co., Spokane. Two bids were submitted on different specifications, one for $46,057 and the other for $47,660.

For grading and graveling 4.05 miles of state road No. 22 in Stevens County from Harvey to Rickey, awarded to General Construction Company, Spokane, on a bid of $35,156.

The only paving contract awarded was on the Sunset highway in Chelan County, east from Cashmere. The project includes 1.67 miles and was awarded to Burke, Singfelder & Berry of Wenatchee for $60,626.

SALINAS, Monterey Co., Cal.—The City Council has approved plans for the scarifying and resurfacing with oil bound macadam of several of the present waterbound macadam thoroughfares. Among these are Market street between Main and Natividad, North Main between Main and the Southern Pacific crossing, and a short section of Main street from the junction of Main, North Main and Market to the jungle park road leading to the Southern Pacific depot.

The council also decided to improve two blocks of Harvest street, not included in the original plans, in accordance with a petition received from property owners.

M. R. Keef is City Clerk.

VALLEJO, Solano Co., Cal.—The City Council has passed resolution of intention No. 64 providing for the improvement of Chase street from Solano avenue to a junction with the existing pavement on Benicia road, including crossings of Ryer and Rice streets by sewering, grading, paving curbing and constructing sidewalks; the work to be done under the Improvement Act of 1911. Alf. E. Edgcumbe is City Clerk and T. D. Kilkenny, City Engineer.

HOLLISTER, San Benito Co., Cal.—A petition has been presented to the Supervisors seeking the construction of a new road in the Browns Valley District.

(Continued On Page 17.)

# American Association of Engineers

**Editorial Staff**

Editor

GEORGE M. NELSON

**Contributing Editors**

D. M. BAKER

L. D. HOWLAND

V. D. COUSINS

S. C. WHIPPLE

## NEWS FROM NATIONAL HEADQUARTERS.

The following members have been nominated for election at the sixth annual convention of the American Association of Engineers to be held in St. Louis on May 10 and 11:

**For President**

L. K. Sherman, president of the U. S. Housing Corporation, D. C.

**For First Vice-President**

T. A. Evans, senior engineer of the Board of Local Improvements, City of Chicago.

H. O. Garman, chief engineer of the Public Service Commission of Indiana, Indianapolis, Indiana.

**For Second Vice-President**

J. K. Anderson, consulting engineer of Charleston, West Virginia.

Paul V. Augustinus, vice-president of the Marquette Electric Engineering Co., Chicago.

A. B. McDaniel, principal engineer, construction division of the Army, Washington, D. C.

**For Directors**

R. W. Barnes, first assistant engineer of the Southern Pacific Railway Co., Portland, Oregon.

Frederic Bass, professor of civil engineering, University of Minnesota.

B. A. Bertenshaw, valuation engineer of the Cleveland, Cincinnati, Chicago and St. Louis Ry., Cincinnati, Ohio.

Morris Bien, assistant to the director, U. S. Reclamation Service, Washington, D. C.

W. C. Bolin, Pilot engineer, valuation department of the Baltimore and Ohio R. R., Chicago.

A. M. Cornell, chief engineer of the Pettibone Nulliken Co., Chicago.

T. A. Dougan, consulting engineer of Chicago.

Charles A. Finley, managing engineer of the Bureau of Water, Pittsburgh.

C. R. Gates, office engineer, maintenance of way department of the Southern Railway, Birmingham, Alabama.

John A. Harrington, secretary of the Edward E. Gillen Company of Milwaukee.

W. R. Harris, associate editor of Engineering World, Chicago.

John R. Leighty, assistant corporate chief engineer of the Missouri Pacific R. R., St. Louis.

J. A. MacRae, mechanical engineer of the Minneapolis & St. Louis. R. R., Minneapolis, Minnesota.

W. R. McKeen, president of the McKeen Motor Car Company, Omaha, Nebraska.

Richard Messer, chief engineer of the Virginia State Board of Health, Richmond, Virginia.

F. E. Morrow, chief engineer of the Chicago & Western Indiana R. R., Chicago.

F. P. Obee, assistant to the County Engineer, Toledo, Ohio.

Edmund T. Perkins, consulting and supervising engineer, Chicago.

Daniel L. Turner, chief engineer of the Transit Construction Commission of New York.

Hugh E. Young, engineer of bridge design, City of Chicago.

**For Auditing Committee**

E. L. Brandt, assistant engineer, Michigan Central Railroad, Detroit, Michigan.

C. A. Gaensslen, engineer, bridge department, City of Chicago.

Wm. E. Vogelback of Echofield and Vogelback, engineers and accountants.

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A meeting of the professional engineers and architects of North Dakota was held in Bismarck on April 23 and 24 at which the North Dakota Chapter of the American Association of Engineers was formed. The following officers were elected: J. E. Kaulfuss, assistant state highway engineer, president; W. G. Black, city engineer of Mandan, first vice-president; W. B. Stevenson of Fargo, 2nd vice-president; L. T. Powers, assistant state highway engineer, 3rd vice-president; Wm. Barneck, assistant state highway engineer, 4th vice-president; Robert Jacobson, city engineer of Fargo, 5th vice-president; E. H. Harris, chief engineer of the State Railroad Committee; and B. H. Tong, assistant to the city engineer of Bismarck, recording secretary.

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The Carnegie Institute of Technology Chapter of the American Association of Engineers was formed on April 8th. The following officers were elected: H. F. Stimm, president; L. A. Yoder, vice-president, J. K. W. Macalpine, secretary and H. F. Soheck, treasurer.

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The University of Alabama Chapter of the American Association of Engineers has elected S. DD. Moxley, president; F. L. Davis, vice-president; and Henry Moog, secretary-treasurer.

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The officers of the Gary Chapter are: John P. Krauss, chairman; A. G. Dorland, first assistant chairman; David R. Jones, second assistant chairman; Floyd B. Musgrove, recording secretary; N. E. Colburn, corresponding secretary; and C. E. Webb, treasurer.

The American Association of Engineers has granted chapter charters at Kilmington, Delaware and Decatur, Illinois. Club certificates have been conferred at the University of Colorado, Burley, Idaho and Muskegon, Michigan.

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## COUSINS COLUMN, A. A. E.

**Los Angeles Chapter Elect Officers.**

The recent election of officers in the Los Angeles Chapter of the American Association of Engineers resulted in the selection of the following officers: A. L. Harris, President; H. Z. Osborne, Jr., Vice-President; R. H. Holbrook, Secretary; W. D. Armstrong, Myron Hunt, F. C. McMillan and F. H. Olmsted, Directors.

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## ENGINEERS TO HELP TEACHERS TO SECURE RAISE.

The American Association of Engineers has entered the fight to secure additional compensation for teachers. The following notable men are on the National Committee: Professor Daggett, University of North Caroline Dean F. L. Bishop, University of Pittsburg; Professor Bass, University of Minnesota; Dean Marston, Iowa State College; Professor Swain of Harvard University; Dr. Capen of American Council of Education; Professor Tilden of Yale University (Chairman) and Consulting Engineers: A. W. Johnson, Chicago; George C. Mason, Portland, Oregon; Baxter L. Brown, St. Louis; H. P. Eddy, Boston, Mass.; H. Z. Oshorne, Jr., Los Angeles, and C. W. Huhbell, Detroit, Michigan.

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## ENGINEERS COMPENSATION BILL IN CONGRESS.

After presenting numerous facts showing the reduction in compensation suffered by Government Engineers, the American Association of Engineers has presented through Senator Calder of New York, an amendment to the Rivers and Harbors Bill providing for a flat Twenty-five per cent (25%) increase in salary to all grades of engineers doing river, harbor and fortification work. This Bill has passed the House and is now in the Senate.

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## ENGINEERS RECOGNIZED ON RAILROAD LABOR BOARD.

Through the efforts of the American Association of Engineers the Railway Professional Engineers have been rated as subordinate officials and given representation on the Railroad Labor Board.

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## TACOMA ENGINEERS ADVOCATE METRIC SYSTEM.

The Tacoma Chapter of the American Association of Engineers is actively advocating the adopaion of the Metric System in America. Other engineering societies are requested to take similar action.

### CRACKS AND QUAKES.

Orlis I. Kennedy is confident that earthquakes begin modestly and grow in intensity of vibration as the earth adjusts itself to the requisite balance incident to a slip in the surface of the earth.

To prove it, he is building at San Bernardino, Calif., a ribbon of cement a foot thick, a thousand feet long, and a few inches in width.

His theory is that a tiny crack in this cement will warn him of an impending earthquake, which may reach its climax a few days later as the earth adjusts itself to the apparent infinitesimal slip in the surface indicated on the cement ribbon.

This is a beautiful theory, and Mr. Kennedy has demonstrated its accuracy in predicating earthquakes on the Western Coast.

But we are forced to speculate mentally on what conclusion Scientist Kennedy would reach were he to come to Des Moines and take a glance at the cement paving anywhere hereabouts.

If a tiny crack in a cement ribbon in California means a disastrous earthquake a few days later, what do the bottomless fissures in Des Moines cement roads foretell? And if every crack stands for a quake whose severity is indicated by the extent of the fissures, what has become of the tumultous and gigantic convulsions of the earth'a surface of which the cracks in the West Eighteenth Street roads are reminders?

Who knows? Possibly the horror at Messina or at San Francisco was foretold in the cement roads of this vicinity.

Proffessor Kennedy has supplied the road builders with an alibi at last.

(Des Moines Tribune)

### P. G. & E. TO EXPEND LARGE SUM IN IMPROVEMENTS

According to a statement made by John A. Britton, General Manager of the Pacific Gas and Electric Company at the hearing of the company's application to the Railroad Commission for authority to increase its rates for electricity the company will spend, in the next eleven years the sums of $123,000,000 in development work. Britton said that of this amount $63,000,000 would be spent in hydro-electric projects and $60,000,000 in serving the energy developed to the people. He said that he expected the eleven years would add 450,000 customers to the company's lists, basing this estimate on the fact that in the last eight years the company had given service to 250,000 people.

### EL CENTRO BOND ISSUES QUESTIONED

Recently the city of El Centro voted on three bond issues, one of $195,000 to construct a system of reservoirs and an aqueduct for the water system, one of $26,000 to concrete an existing settling basin and a third of $15,000 for a fire alarm system. Each bond issue was at first thought to have carried because a two-thirds majority was apparent for each. The city and district attorneys have since decided that the two water bond issues were defeated and only the fire alarm bond issue carried. A total of 756 votes were cast at the special bond election. Some of the people who voted for the fire alarm bonds, however, forgot to vote on the water bonds and so neither of the latter issues secured a two-thirds majority of the total number of votes cast at the bond election. The necessary two-thirds majority was 511 and only 507 votes were cast for the larger water bond issue and 454 for the smaller issue. The state attorney general has been asked to give an opinion on the questions involved.

### TO APPOINT CITY PLANNING COMMISSION

Appointment of a city planning commission for Long Beach is in prospect. The city commission has asked the city attorney for an opinion as to its powers in the matter of creating a city planning commission. Frequent protests against building projects have suggested the necessity of a zoning system for the city and the city commissioners feel that a city planning commission should be appointed to undertake this work.

### MERELY DELAYED

"Well, how did they treat you in the A. E. F.?"

"Oh, not so bad."

"Did you miss your meals?"

'No, I can't say I missed any. Some of them were a day or two late, but I can't say I missed any.—The American Legion Weekly.

### ENGINEER TO START INVESTIGATION

#### Klamath River Basin and the Northern Coast Streams to be Investigated

PASADENA, Cal. — Eugene C La Rue, hydraulic engineer of the U. S. Geological Survey, will start an investigation of the Klamath river basin and the northern coast streams late this month. His survey will result in a government report on the irrigation, water storage and power developments possibilities of the northern coast streams, and it is predicted, will have as great an effort on the development possibilities of the northern part of California as his famous report on the Colorado river basin in 1908 had on the development of the great irrigation projects of the Colorado.

### SCHOOL BONDS INVALID

Because the school districts overlap, the Fullerton $225,000 grammar school bonds and the Orangethorpe $60,000 school bonds, recently voted, have been held to be invalid. A portion of Orangethorp district lies within the city limits of Fullerton. Under the law all the territory within the incorporated limits of a city must be in one school district. Hence the Orangethorp school district in Fullerton were not permitted to vote on the Fullerton bond issue, hence it is invalidated. Parts of the Placentia and Brea school districts also overlap Fullerton. How to straighten out the boundary tangle is now the question. The attorney for the Placentia school district says it is a matter for the legislature to settle. The district attorney is studying the question before deciding what course shall be pursued.

Sixteen miles of canals are to be constructed in the vicinity of Orants Pass, Ore.

### CABLE LAID FROM MONTEVIDEO TO RIO DE JANERIO

A cablegram received from the American Embassy at Rio de Janerio states that the Central and South American Cable Co.'s cable from Montevideo was landed at Rio on March 30. The company expects to operate by the middle of May.

### FOREIGN TARIFFS. ARGENTINA

#### Port and Harbor Dues

Vice Consul W. E. Padden has transmitted from Buenos Aires, under date of January 28, 1920, a copy of the charges for pilotage, literage, stevedore charges, and all port and harbor dues in the port of Buenos Aires. This report may be consulted by those interested, or information will be furnished upon inquiry by the Bureau of Foreign and Domestic Commerce.

### ADOBE AS BUILDING MATERIAL

#### Experiments Have Shown, It Is Claimed, Durability of This Old And Inexpensive Material

Adobe, the oldest known building material in southern California, is due for a revival, according to John W. Chard, Santa Barbara architect. He asserts that if properly prepared this native material can be used to very considerably cut the cost of building.

"Experiments," says Mr. Chard, "have shown that abode is the least affected by changes of temperature among all the building materials. Tests show that abode bricks register no more than six degrees difference between February cold and extreme September heat. As a building material it is far stronger than is generally supposed, and develops a compressive strength as high as 400 pounds to the square inch.

"The proper plaster protection will insure an abode wall against deterioration. Hard cement plaster thoroughly anchored into the walls and treated with an all-mineral water-proofing compound will give abode walls great durability.

'Adobe is wet soil mixed with straw, cast into molds of required size and left to dry in the sun. As a building material abode is everlasting, soundproof, nonconductive and fireproof, always of normal temperature, and is cool in summer and warm in winter."—Los Angeles Times.

### ENGINEER BLASTS CANAL THRU ITALY

ROME.—Don Gelasio Caetani, a brother of Prince Caetani, the American-trained engineer, who laid the mine which blew off the top of the mountain Col di Lana during the war, burying hundreds of Austrian soldiers beneath it, has just dynamited a canal into existence from Lake Caprolace to the Mediterranean sea.

The work was undertaken by direction of the prince, also known as the Duke of Sermoneta, head of the Caetani family, in the Pointine Marshes, near the duke's vast estate of Cisterna, forty miles from Rome.

The Pontine Marshes constitute the swampy forest country which stretches between the Roman Campagan and Terracina, a region which the prince has labored for years to reclaim. On the seashore of this strange volcanic region there are three lakes or lagoons, called Fogli-

ano, Monaci and Caprolace, communicating with each other, into which at high tide all kinds of first find their way, remaining there to breed and fatten for the Roman market, to which every day some ten to forty hundredweight are shipped. Only one, that of Fogliano, is directly connected with the sea, and in order to unite that of Caprolace with the neighboring Mediterranean, and to greatly increase the yield of fish, Prince Caetani decided to explode a series of mines so as to form a canal between this lake and the sea.

The undertaking took fifty tons of explosives and 1,200 large bombs or five times as much as was required to destroy the mountain top. It was successful, opening a channel to the sea.

## FAR EASTERN TRADE NOTES

[Prepared by the Far Eastern Division, Bureau of Foreign and Domestic Commerce, to which refer for fuller particulars. The district and co-operative offices have reserve information where reference number is given.]

**Progress of Electrical Development in Japan**

As seven separate concerns applied for permission to develop power from the Hida River, in the vicinity of Nagoya, Consul H. F. Hawley reports that representatives of them all are considering the organization of the Hida-Gawa Electric Co., to be capitalized at $14,955,000. Another combine reported from the same source is the unification of the power supply of Nagoya and neighboring districts under the control of the Nagoya Electric Light Co., which has bought half of the shares of the Bishu Electric Co., and is negotiating to secure control of the Ichinomiya Electric Light Co., the Inazawa Electric Co., the Gifu Electric Co., and the Yokkaichi Electric Co. As a result of the efforts of the governor, representatives of six big electric companies in Miye Prefecture, the Hokusei, Iwakura, Tsu, Matsuaka, Ise, and Toba, have been in consultation in regard to a possible combination of all the electric companies within the Prefecture, to be capitalized at $4,985,000. With the double purpose of obtaining additional income and of controlling water rights, the authorities of Toyama Prefecture and contemplating the establishment of a large hydroelectric plant under Prefectural administration, to develop 37,000 kilowatts of power from the Joganji River. It is expected that this will be sufficient to supply all present demands for power within the Prefecture and leave a surplus to be sold to Kyota and Osaka. Another power company recently organized in this district is known as the Etchu Electric Power Co., having been granted a license to utilize the Wada River, from which is it expected to develop $10,000 kilowatts of power.

**Suggestions For Avoiding Delays Due To Faulty Marking or Shipping**

A firm in Yokohama has evolved a method of avoiding complications and delays due to faulty marking, shipping methods, or other such causes, which may offer welcome suggestions to other foreign traders. To each order they attach copies of a printed form, on which appear the following instructions, divided into two groups. (1) Compulsory: Invoice in quadruple, signed, and at least one copy on substantial paper. Typewritten invoices are preferred to hand written. Consular certificates of origin is required for soap, talcums, tooth powders, pastes, olive oil, and all perfumed articles. Insure against all risks, including pilferage and breakage. Distinctly mark on the policy that inspection of breakage, etc., can be carried on in our own warehouses. The insurance policy must be made payable to our agent in Yokohama. A distinct number must be affixed to each case or strap. Cases exceeding $500 gold per freight ton of measurement must be especially declared on the bill of lading and freight paid to correspond. (2) Desirable: Send one copy of the invoice ahead or some other means of indicating what goods are being shipped immediately. Goods to be packed, whenever possible, according to the classification of this indent, to save time at customs assessment. An entirely separate sheet of invoice is desirable for each case, so that more than one customs officer can work on the shipment simultaneously. The gross weights of each item is desirable on the invoice to facilitate the assessment of duties that are calculated by weight. Discounts should be taken off each individual item before carrying it out. Customs frequently ignore discounts appearing at foot of invoice, and this materially affects the sum paid as duty where heavy amounts "ad valorem" are to be paid.

## PORTLAND BUILDERS TO CHARGE FOR BIDS.

**Claim That Cost of Figuring Construction Should Be Borne By Owner.**

PORTLAND, Oregon. — (Special). — Carring out a plan in vogue in many cities throughout the country, a large number of Portland contractors have become members of the American Contractors Association with its headquarters in Denver, Colo., which organization advocates the making of charges by contractors in figuring all work.

L. H. Freeman, who is in Portland, representing the association, states that a large number of local builders have already agreed to the plan and others are expected to join as soon as the proposition has been fully explained.

The printed schedule provides for a minimum fee of $10, which covers the charge for figuring plans for a building to cost $2000 with a sliding scale and a $100 charge for a $60,000 job, increasing to $600 for a building costing from $1,000,000 to $2,000,000.

O. G. Hughson, well known in Seattle, manager of the Builders Exchange, is to act as secretary when the new plan is adopted and working.

## STATE PLUMBERS WILL ASSEMBLE IN OAKLAND.

Master plumbers from all parts of the state will come to Oakland during the last week in May for the annual convention of the Association of Master Plumbers of California at the Hotel Oakland. Announcement of the program for the five-day convention includes, besides the regular business sessions, a number of automobile trips through the Eastbay district, matinee parties and a closing banquet. W. Herbert Graham, president of the Alameda County Plumbers' Association, who is also president of the state association, will preside.

## SHIPBUILDING CONCERN WILL LOCATE IN SACRAMENTO.

SACRAMENTO, Cal.—The National Engineering and Drydock Corporation, a $500,000 company formed by Los Angeles and Santa Monica men, with headquarters in Sacramento, has filed articles of incorporation with Secretary of State Jordan.

According to the articles, the company was formed to build and repair ships and to engage in a general engineering business. Aside from what is stated in the articles, nothing could be learned of the company or the extent its operations will reach in Sacramento.

The directors are George W. Ley, Max L. Gordan and Abe Raffee, all of Los Angeles, and Roy Atkinson of Santa Monica.

## HE WAS EXCUSED

HAYWARD, Cal.—At a recent meeting of the City Board of Trustees, Mayor Manter asked if plans for the Jackson street storm sewer were ready. The Mayor was informed that the Town Engineed got married and was on his honeymoon.

There being nothing of further importance, the Board adjourned.

## PIONEER STAIR BUILDER FORMS CORPORATION.

Mr. J. K. Stewart, who for the last thirty-five years has been engaged in stair building business on this Coast, particularly in and around the Bay cities, has formed a corporation for the carrying on of his business of stair construction to be known as the J. K. Stewart Company, with offices and factorq at 50-52 Spencer street, San Francisco, Telephone Market 1718. Mr. Stewart is President and General Manager of the company. This announcement gives ample indication that he will be in full charge of affairs and assure prospective customers of the satisfactory handling of all contracts made by the Company as the corporation will have the benefit of his many years of varied experience in contracting work of this kind. Those who have done business with Mr. Stewart in the past know his methods and worth and will no doubt be glad of this new opportunity of availing themselves of his services, backed by an efficient organization.

## NEW CONSTRUCTION COMPANY FORMED.

HANFORD, Kings Co., Cal.—The California Construction Co., giving its principal place of business as San Francisco, has filed articles of incorporation with the County Clerk. The company has a capital stock of $250,000, divided into 2,500 shares of the par value of $1,000 each. Incorporators are S. E. Blanchard, Richard C. Burnett and E. M. Ackerman.

C. E. Blanchard is now working on a huge paving project in the city of Hanford.

## SIDEWALK PLANS ORDERED.

EUREKA, Humboldt Co., Cal.—The City Engineer has been instructed to prepare plans for a sidewalk in "A" street near Washington fronting the property of J. M. Miranda.

## MISCELLANEOUS.

### STREET WORK PLANNED.

SAN BERNARDINO, Cal.—City Engineer Will L. Brown has been ordered by Council to report with recommendations on resurfacing and improvement for Arrowhead avenue from 3rd ton 16th street, 1½ miles, 54½ ft. wide. Plans were ordered for 5-in. concrete paving on Base Line street, full width between Arrowhead avenue and E street, about 75,000 sq. ft. Protests for paving Ninth street between B and C streets, Sixth street between I street and Vernon avenue, and resurfacing Third street between Arrowhead avenue and F street were overruled.

### SEWER WORK ORDERED.

LONG BEACH, Los Angeles Co., Cal.—The City Commission has ordered the construction of vitrified clay pipe sewers in portions of Hill street and 18 other streets and alleys; work to be done under Improvement Act of 1911.

### OROVILLE PAVING URGED.

OROVILLE, Butte Co., Cal.—The City Council has received petitions asking that steps be taken to pave High and Hutton streets.

### STREET WORK BIDS WANTED.

EL SEGUNDO, Los Angeles Co., Cal.—Until 8 P. M., May 19, bids will be received by City Clerk Victor D. McCarthy for constructing 11,000 sq. ft. 6-in. concrete pavement on a portion of El Segundo avenue, in accordance with plans and specifications on file in the office of the City Engineer. The grading and preparation of the subgrade will be done by the city. Bids will be received on a lump sum and on a unit price per sq. ft. Certified check for 10% required.

### TO PURCHASE STREET MACHINERY

BERKELEY, Alameda Co., Cal.—The City Council has appropriated $5,896.50 with which to purchase a tractor for use of the street department. A call for bids for furnishing the tractor will be issued shortly. A. G. Briggs is City Clerk.

### STREET WORK BIDS WANTED.

SANTA MONICA, Los Angeles Co., Cal.—Until 10 A. M., May 14, bids will be received by the City Clerk for improving Third street between Pico Blvd. and the west line of Bandini tract; work to be done under Improvement Act of 1911. The work will consist of 1217 lin. ft. concrete curb; 6104 sq. ft. concrete sidewalk and 27,323 sq. ft. paving with 3½-in. bituminous base and 1½-in. Warrenite surface.

### HAULING BIDS WANTED.

PETALUMA, Sonoma Co., Cal.—Up to May 17th, 7 P. M., bids will be received by Lyman Green, City Clerk, for taking up, loading, hauling and depositing at designated points, basalt or other paving blocks including old bituminous wearing surface now in place on Third street, between B and C streets and on Main street between B street and Oak street, including street intersections and parking space at intersection of Main, B and Third streets.

Further information may be had from Howe & Peters, Engineers, 24 California street, San Francisco.

### VALLEJO SEWER PLANS APPROVED

VALLEJO, Solano Co., Cal.—The City Council, Alf. E. Edgcumbe, Clerk, has approved plans of City Engineer T. D. Kilkenny for sewers taking in all the territory east of the S. P. tracks and north of Georgia street.

A resolution of intention calling for the work will be passed shortly.

### FEDERAL ROAD BIDS WANTED.

ALBUQUERQUE, N. M.—Until 2 P. M., May 29, bids will be received by E. S. Wheeler, acting district engineer, bureau of public roads, 218 Luna-Strickler Bldg., Albuquerque, for constructing the Alpine-Reserve road, Sec. 3, in the Datil national forest, Socorro County, N. M., involving 22 acres clearing and grubbing, 4434 cu. yds. rock excavation, 21,385 cu. yds. common excavation and 989 lin. ft. log culverts, rubble masonry retaining walls, protection ditches and incidental items; work to be completed in 175 weather working days.

### STREET WORK BIDS OPENED.

SAN FRANCISCO—Eaton & Smith, at $144,424 submitted the only bid to the Board of Public Works for the improvement of Collingwood street, between 20th and 22nd and 21st and 22nd streets, and between Diamond and Castro streets.

The work involves 6,280 sq. ft. of asphalt pavement; 56,550 sq. ft. brick pavement; 24,587 sq. ft. of stone sidewalk; 4,000 lin. ft. concrete curbs, sewers, etc.

### BIDS OPENED FOR YUBA COUNTY ROAD WORK.

MARYSVILLE, Yuba Co., Cal.—Bids of the Federal Construction Company and the Clark & Henery Construction Company for the building of a permanent highway through District Ten from Marysville to the Butte County line have been rejected by the Supervisors. The bids were considered too high.

The bids of the Federal Construction Company for a reinforced concrete road sixteen feet wide with a six-inch base was $51,550 per mile; for a concrete road with a Warrenite top their bid was $40,322; for a black asphalt base with Warrenite top their bid was $40,203 per mile.

The Clark & Henery Construction Company bid $45,039.50 per mile on a four and one-half inch concrete base with an inch and a half Warrenite top and $37,412 per mile on a black asphalt base with Warrenite top six inches thick with a two-foot crushed rock shoulder.

Property owners urged that a black base asphalt pavement be laid in place of concrete.

After consideration the Supervisors ordered County Engineer L. C. Crook to survey the road from the city limits of Marysville directly to the Butte County line in preparation for the building of the highway.

### ROAD WORK ORDERED.

SANTA BARBARA, Santa Barbara Co., Cal.—The Supervisors of Santa Barbara County adopted a resolution ordering paving in Carpinteria, road improvement district No. 1, estimated to cost $29,000. County Surveyor Owen O'Neil will have charge of the work.

### BRIDGE BIDS WANTED.

CLIFTON, Ariz.—Until 2 P. M., May 31, bids will be received by State Engineer Thomas Maddock at the office of the Greenlee County Highway Commission, Clifton, Ariz., for constructing a bridge consisting of two 32-ft. standard reinforced concrete girder spans across Railroad wash on the Clifton-Franklin highway, Federal aid project No. 13. Certified check for 5% required. Plans and specifications may be obtained from the State Engineer at Phoenix on payment of $5.

### BIDS WANTED FOR PIPE THREADING MACHINE.

LOS ANGELES, Cal.—Until 3 P. M., May 11, bids will be received by Board of Public Service, Knickerbocker Bldg., for a pipe threading machine for threading 1½-in. to 6-in. or 2-in. to 8-in. pipe, similar or equal to Jarecki pipe machines Nos. 66 or 68. Jas. P. Vroman, Secretary.

### PANAMA CANAL SUPPLY BIDS WANTED.

WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer, The Panama Canal, up to May 14th, 10:30 a. m. for furnishing and delivering the following materials under Circular No. 2243, at Cristobal (Atlantic Port) or Balboa (Pacific Port); cable, steel cutters, screws, hose clamps, cable clips, chain and anchor shackles, locomotive oilers, paint, pipe turn-buckles, brass knobs and handles, locks, etc., bolts, hasps and hinges or butts, furniture casters, file handles, coal baskets, brushes, push carts, water coolers, metal workers' crayons, fiber ferrules, asbestos gloves, metallic tapes, and chalk.

### LUMBER CONTRACT AWARDED.

SAUSALITO, Marin Co., Cal.—James Hardy, 4th and Channel streets, San Francisco, has been awarded a contract by the Trustees of the Tamalpais High School District for furnishing certain lumber needed by the school. The bid was $3,870.

### FERRY CONSTRUCTION CONTRACT AWARDED.

FAIRFIELD, Solano Co., Cal.—Cass Amocker, Sacramento, has been awarded a contract by the County Supervisors for a new ferry between Rio Vista and Ryer Island at $3,340.

The only other bid submitted was that of Fulton & Engel of Rio Vista at $3,600.

### BIDS WANTED FOR SEWER SYSTEM

CALIPATRIA, Imperial Co., Cal.—Until 7 P. M., May 11, bids will be received by City Clerk P. N. Myers for constructing a sewer system in accordance with plans and specifications which may be obtained from E. M. Lynch, consulting engineer, Central Bldg., Los Angeles. The work will involve furnishing and laying 21,755 ft. of 11-in. and 1620 ft. 12-in. pipe and constructing 60 brick manholes. Bids will be taken for both vitrified and cement pipe. Certified check or bid bond for 10% required.

### PLAN TO FINANCE VALLEJO WATER PROJECT OFFERED.

VALLEJO, Solano Co., Cal.—In an effort to solve the financial problem for an adequate water supply for this city City Auditor George D. Hildreth, pro-

poses to raise $25,000 through business licenses, etc., and that he would arrange to secure an additional $75,000 by raising the assessments so that the needed $100,000 could be guaranteed for the proposed Suscol well project.

Hildreth said that in this manner the first $25,000 could be on hand by July 1. The council decided to investigate the matter for a few days before making a decision.

T. D. Kilkenny is City Engineer.

**WELL CONTRACT AWARDED.**

BERKELEY, Alameda Co., Cal.—The Berkeley Board of Education has accepted the bid of J. W. O'Neill of Oakland for drilling wells.

The bid was $8.75 a foot for a four-foot well completely lined with brick. The first well will be dug at the Thousand Oaks School.

**TO CALL BIDS FOR TULARE COUNTY ROAD WORK.**

VISALIA, Tulare Co., Cal.—In about a month the Supervisors will call for bids for 6½ miles concrete paving on Orosi-Orange Cove road in the northern part of the county; and a little later for 9.25 miles of Elderwood-Yetta road about 4 miles distant from the Orosi-Orange Cove job, the Elderwood-Yetta work to be concrete and macadam paving. This will complete the 1919-1920 road program for Tulare Co.

**CHICO TRUSTEES HOLD UP ARCHITECT'S BILL**

The Chico Enterprise in a recent issue says:

A bill for $871.50 for plans drawn for the park board by Architect Edwin J. Symmes of 1700 Pearl street, Alameda came up last night before President Reynolds of the board of trustees, City Clerk Morrison and City Treasurer Moore in form of a warrant for signature by the three city officials. It had been approved by Park Commissioners C. H. Deuel, Miss May Nichols and Mrs. Eva Kennedy, and allowed at last Monday night's meeting of the park board.

Reynolds, Morrison and Moore are withholding their signatures from the warrant upon the advice of City Attorney Goldstein until the latter shall have satisfied himself that the charge is legal. The objection to signing the warrant appears to be that being a contract for over $300, it should have been advertised, according to law, and let to the lowest and best bidder.

**SAN MATEO COUNTY RECEIVES THREE SETS OF PLANS FOR HOSPITAL BUILDINGS.**

REDWOOD CITY, San Mateo Co., Cal.—Three sets of plans were received on May 3d by the Supervisors of San Mateo County from the following architects in competition for the county hospital buildings. W. H. Toepke, W. D. Shea and E. L. Norberg.

Judges will be selected shortly to make a selection.

**STREET WORK CONTRACT AWARDED.**

STOCKTON, San Joaquin Co., Cal.—The Clark & Henery Construction Co., 38 South Sutter Street, Stockton, has been awarded a contract by the Western Pacific Railroad for paving with asphalt on a concrete base Weber avenue between Union and Sacramento streets, and other portions of that thoroughfare where pavement has been removed for the installation of conduits.

**SITE FOR IRON CANYON DAM PROJECT LOCATED.**

RED BLUFF, Tehama Co., Cal.—That a site for a masonry dam at the lower end of Iron canyon of the Sacramento River, at a point five miles from Red Bluff, has been located and decided upon by engineers of the U. S. Reclamation Service, is the annoucement of W. A. Beard of the Sacramento Valley Development Association, which is fathering the great Iron canyon irrigation project.

The project is designed to supply irrigation to 225,000 acres of land in the Sacramento valley. The cost under the plan proposed was estimated at $18,000,000, but it is expected that a greater estimate will be made.

The financing of the project is the next big step.

**STREET WORK BIDS WANTED.**

CALEXICO, Imperial Co., Cal.—Until 9 P. M., May 18, bids will be received by City Clerk Paul B. Steintorf for improving Roosevelt street between Ollie avenue and Imperial avenue and portions of 18 other streets by grading and constructing cement curbs, sidewalks and cross walks; work to be done under Vrooman act. The work consists of approximately 94,000 sp. yds. street grading; 100,000 lin. ft. concrete curb; 505,000 sq. ft. concrete sidewalk and 33,000 sq. ft. concrete cross walks. Paul M. Entenmann, Superintendent of Streets.

**BIDS OPENED FOR STREET WORK.**

EAGLE ROCK CITY, Los Angeles Co., Cal.—Wm. Liddington, 420 E. 60th street, submitted the lowest bid at about $45,760 for paving Central avenue from Colorado Blvd. to south city boundary, involving approximately 198,000 sq. ft. 5-in. concrete paving; 150 ft. cement curb, and 725 sq. ft. cement sidewalk; T. A. Jordan, of Engineering Service Co., Washington Bldg., Los Angeles, City Engineer. H. E. Cox of Pasadena, submitted the next lowest bid at about $48,740. The bids were referred to the city engineer.

W. F. Hewitt, 911 Citizens National Bank Bldg., Los Angeles, submitted the only bid for material and for labor, materials and equipment for surfacing streets with rock and oil. His bid for materials was as follows: 4630 tons Class A rock, $1.90 ton; 3600 tons Class B rock, $1.96 ton; 72,060 gallons road oil, 8c gallon. For furnishing labor, materials and equipment Hewitt bid 33c sq. yd. for Class A rock and 18c sq. yd. for Class B rock. The bids were referred to the city engineer.

**SANTA CRUZ CITY COUNCIL CONSIDERS BRIDGE PLANS.**

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council is considering plans of Prof. C. B. Wing of Stanford University for the new Soquel avenue bridge. The structure will be 1000 ft. in length of concrete construction, steel girder type, and will have ten 60-foot spans, resting on 16 concrete abutment piers. The road bed will be 24 feet wide exclusive of sidewalks. Construction is estimated at $150,000.

**ACTION ON BURLINGAME ELECTROLLER SYSTEM DEFERRED.**

BURLINGAME, San Mateo Co., Cal.—The City Trustees have decided to abandon temporarily, the plan to install a system of electrollers in Main street.

**STREET WORK BIDS WANTED.**

LOS ANGELES, Cal.—Until 10 a. m., May 17, 1920, new bids will be received by the board of public works for improving Sanborn Ave. between Sunset Drive and Fountain Ave., by grading and oiling and constructing cement curb, sidewalks and gutters; work to be done under Vrooman Act. Ord. 40,118. Only one bid was received for this work on April 26, from E. Schelling, at $21,936.47, which the city engineer reported was too high and it was rejected.

**STREET WORK BY DAY LABOR.**

LA HABRA, Orange Co., Cal.—Supervisor Wm. Schumacher of Orange County, states the paving of Central Ave., La Habra, will be done by the county by day labor. Curbs and gutters will also be constructed on Walnut and Cypress Sts. by day labor.

**HIGHWAY BID OPENED.**

TUCSON, Ariz.—Goodman & Merrill of Benson, submitted the only bid at $21,503.85 for constructing Sec. C, Benson-Vail road, state highway, involving 18,500 cu.. yds, excavation, 317 cu. yds. concrete and incidental work. The unit bids were: Excavation, 65c cu. yd.; overhaul, 5c cu. yd.; 18-in., corrugated iron culverts, $1.25 ft.; 24-in. culverts, $1.35 ft.; 36-in. culverts, $1.50 ft.; Class "A" concrete, $27 cu. yd.; Class "B" concrete, $23; placing reinforcing steel 5c lb. Thomas Maddocks, state engineer.

**CHICO PLANS STREET WORK.**

CHICO, Butte Co., Cal.—Paving of South Broadway, Second and Fourth streets will be under way in June according to Mayor S. A. Reynolds.

A call for bids will be issued in the near future for the work.

**SAN RAFAEL PLANS STREET WORK**

SAN RAFAEL, Marin Co., Cal.—The City Council has granted permission to property owners in Mt. View avenue for laying a Richmondite pavement twenty feet wide, under private contract. The work will cost 60 cents a foot.

The City Clerk has been instructed to notify property owners of Picnic Valley and Southern Heights to be be present at the next meeting when the proposed improvements contemplated in their district will come up for action.

lowest bid at $7,450 on the plumbing; the Foulkes Electric Co., 603 S. Figueroa street, Los Angeles, at 3280 on the electric wiring; Ed. Westberg, 1624 Morton avenue, Los Angeles, at $12,932 on the plastering; C. F. Weber & Co., Los Angeles, at $2,250 on the blackboards; the Bowen Metal Furniture Co., at $4,417.20 on the metal lockers and toilet partitions; the Broadway Department Store, at $833.40 on the shades; B. F. Mason, 724 San Pedro St., Los Angeles, at $3,185 on the painting, and J. Hokom, 4312 Moneta avenue, Los Angeles, at $6,976 on the steam heating. All bids were taken under advisement.

### TO VOTE SCHOOL BONDS.

WATERFORD, Stanislaus Co., Cal.—An election will be held in the Waterford School District on May 28th to decide the question of issuing and selling bonds of $21,000 with which to finance construction of a new building.

Trustees of the district are: Nora R. Ballard, Joseph F. Horsley, Mrs. Herbert Beard.

### FORT MASON SUPPLY BIDS WANTED.

SAN FRANCISCO.—Bids will be received by the Zone Supply Officer, Fort Mason, up to May 11th, 10 A. M. under Circular No. 299 for furnishing and delivering the following materials: galv. sheet iron dippers; iron or steel rivets; wire rope thimbles; stove bolts and rods; cargo hoisting net; screweyes; wire rope clips; bar iron; tire steel; glass insulators; feed water injector; bristol board and gauge pins.

### FORT MASON SUPPLY BIDS WANTED.

SAN FRANCISCO.—Bids will be received by the Zone Supply Officer, Fort Mason; up to May 13th, 10 A. M. for furnishing and delivering the following materials under Circular No. 302; drills, filing cabinets, rivets, steel squares, cutters, wire rope thimbles, loose leaf binders, wrenches, window glass, battery jars, oil, watchman's clocks, telephone (lead covered) cable, ceiling fans, ash bags, bolts, band saw brazing clamps, nuts, washers, canvas and tacks.

### DATE OF OPENING BIDS CHANGED.

Note:—Bids will be opened on May 15th at 4 P. M., instead of May 18th.

SCHOOL Cost, $260,000

BERKELEY, Alameda Co., Cal. Rose and Grant Streets.

One and two-story brick school, 22 rooms (auditorium, manual training, domestic science, etc.)

Owner—City of Berkeley.

Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

Plans may be obtained from the offices of Mr. Hays, First National Bank Bldg., San Francisco, or Rm. 12, Wright Bldg., Center and Oxford Sts., Berkeley, on a deposit of $10.00.

Segregated bids are being taken as follows:

Excavation and grading.
Concrete.
Masonry.
Structural Iron.
Carpentry.
Roofing.
Sheet Metal Work.
Lathing and Plastering
Ornamental Iron.
Plumbing.
Electrical Work.
Painting.
Heating.
Shades.
Linoleum.
Lockers.

### GRIDLEY MASONS TO BUILD.

GRIDLEY, Butte Co., Cal.—Articles of incorporation of the Gridley Masonic Temple association, with a capital stock of $50,000, have been filed with the superior court. The number of shares is divided into 2000 at the par value of $25 a share.

Directors are: A. A. Woodworth, T. J. Long, F. A. Onstott, J. R. Carig and James Ownby.

### PROSPECTIVE OFFICE BUILDING FOR LOS ANGELES.

LOS ANGELES, Cal.—R. T. Burge, Fay Bldg., has leased a lot 95x115 ft. in size at the southwest corner of Sixth street and Grand avenue from Vincent W., Guercio and John Menagh for a period of 99 years. It is Mr. Burge's intention, upon expiration of present leases on the property, having about one year to run, to improve the property with a modern mercantile building.

### ARCHITECTS SELECTED FOR SAN JOSE SCHOOL IMPROVEMENTS.

SAN JOSE, Santa Clara Co., Cal.—The following architects have been commissioned to prepare plans for school improvements planned under the recent bond issue:

Binder & Curtis, San Jose high school.

Frank Wolffe, Horace Mann, Lowell and Grant.

Charles McKenzie, Jefferson and Washington.

Warren S., Skillings, Gardner.

Louis Lenzen, Hawthorne.

Each architect has agreed to take school bonds at par value in full payment for their services.

Alexander Sheriffs is City Superintendent of Schools.

### BIDS FOR KUAHUA, T. H. BARRACKS TO BE RE-ADVERTISED

WASHINGTON, D. C.—The folowing bids were received by the public works officer, U. S. naval station, Pearl Harbor, T. H., April 21, specification 4086, for construction of barracks for 20 marines at Kuahua, T. H.:

B. Himeno, $14,700, time 90 days.

Ralph E. Wasley, $15,000, time 120 days.

George M. Yamada, $14,600, time 120 days.

Following bid was received at Washington, D. C. for the same work.

W. F. Martens, 245 Cutler Building, Rochester, N. Y., $26,880, 120 days, alternate, $24,880, 200 days.

The bids were rejected. Specifications will be revised and a new call for bids issued.

### LOW BIDDERS FOR SCHOOL.

REDLANDS, San Bernardino Co., Cal.—Robert Ogden, 3030 Kenwood Ave., Los Angeles, submitted the lowest bid at $96,889 on the general contract for the erection of a new reinforced concrete, brick and hollow tile grammar school building in Redlands, plans for which were prepared by Architect Edwin Bergstrom, 1129 Citizens National Bank Bldg., Los Angeles. The Thomas Haverty Co., 8th and Maple avenue, Los Angeles, submitted the

### STREET WORK BY DAY LABOR.

ARCADIA, Los Angeles Co., Cal.—No bids were received for constructing 1050 lin. ft. 3-in. macadam pavement 18 ft. wide on N Balidwin Ave. and 2,960 lin. ft. 4-in. macadam pavement 18 ft. wide on S. First Ave., and the work will be done by day labor under the direction of City Engineer O. A. Gierlich, 209 National Bank Bldg., Monrovia.

### PREPARING PLANS FOR SCHOOL BUILDINGS.

SAN DIEGO, Cal.—Architect Theodore Kistner, 814 American National Bank Bldg., San Diego, is preparing plans for the buildings to be erected under the $1,250,000 school bond issue. There will be two intermediate high schools, one at Logan Heights, and the other on Park Blvd., to cost about $350,000 each.

### TO VOTE SCHOOL BONDS.

FAIRHAVEN, San Benito Co., Cal.—May 27th is the date set by the Trustees of the Fairhaven School District to decide the question of issuing and selling bonds of $10,000 with which to finance construction of a new school building.

### TO VOTE SCHOOL BONDS.

HOLLISTER, San Benito Co., Cal.—May 27th is the date set to decide the question of issuing bonds of $110,000 with which to purchase a site and erect and equip a new grammar school building.

### PAVING CONTRACT AWARDED.

WALLA WALLA, Wash.—The Crown Paving Company, an Alberta corporation with branches in Spokane and other Washington cities has been awarded the paving contracts for both sections one and two of the Walla-to-State-Line highway, a total of 8½ miles on which the specifications contracted called for one course concrete paving. On the first section of 6¼ miles the bid was $199,672.10 and on the remaining 2¼ miles the sum was $72,399.20.

### CATHOLIC SCHOOL AND SANITARIUM FOR MODESTO.

MODESTO, Stanislaus Co., Cal.—Plans for the establishment of a large Catholic school in Modesto to be located on the old Gates property, on H street between Sixteenth and Seventeenth streets, are under way. The property has already changed hands but no definite plans for the buildings and equipment have been given out. It is also reported that a local sanitarium will be purchased by the church and converted into a subsidiary of the St. Mary's hospital in San Francisco.

A conference between Rev. Father G. W. Galvin, head of the Catholic church here, and officials from San Francisco was held recently but no definite information given out regarding results.

### STATE HIGHWAY BRIDGE CONTRACT AWARDED.

SACRAMENTO, Cal.—The State Highway Commission has awarded a contract to Riley and Peterson of Calexico, for the construction of the state highway between Flinn Springs and Ogden Ranch, Division VII, San Diego County, Route 12, Sections C and D.

### ROAD AND SIDEWALK CONTRACT AWARDED.

EUREKA, Nevada.—The Eureka County Commissioners have awarded a contract to George Myers of Eureka, Nevada, at $1,550, for the grading and construction of the Newark Summit Road, for a distance of 2,200 feet.

The contract for construction of sidewalks fronting the courthouse was awarded to John Repetto and Company of Eureka.

# Official Proposals.

### NOTICE TO CONTRACTORS.

SEALED BIDS will be received by the State Land Settlement Board, Turlock, California, **up to and including 1:30 P. M., May 17, 1920;** said bids then and there to be publicly opened and read, for furnishing all materials, and labor, and doing the work required for the complete construction and erection of 138'x282' pipe plant shed, framed with 4x4 posts, Redwood siding, wood trussed roof with "Ready" roofing. Foundations to be Redwood mud-sill, (Operation No. 49), in accordance with the plans and specifications therefor, copies of which may be consulted at the office of the State Land Settlement Board, at above address.

Such bids will be received only on prepared forms furnished by the State Land Settlement Board.

**Bond.** Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

The State Land Settlement Board reserves the right to reject any and all bids and to waive any informality in any bid received.

**Time Limit.** Time being an important consideration, the number of working days required in which to complete the work in its entirety will be taken into consideration in awarding the contract.

**Damages.** For each extra working day required over and above the stipulated time limit, the contractor shall pay to the State Land Settlement Board of the State of California the sum of Ten Dollars ($10.00) as liquidated damages.

All proposals shall be enclosed in an opaque envelope, sealed, marked "Proposals," bearing title of the work and name of bidder, and addressed or delivered to the undersigned.

[SIGNED] MAX E. COOK,
Farmstead Engineer.

### NOTICE TO CONTRACTORS.

OFFICE OF THE BOARD OF STATE Harbor Commissioners, Union Depot and Ferry House, San Francisco, California, May 11, 1920.

Sealed proposals or bids will be received at this office at or prior to **11 o'clock n. m. Friday, May 21, 1920,** for furnishing materials and constructing an extension to Pier No. 20, on the waterfront of the City and County of San Francisco, in accordance with the plans and specifications prepared therefore by the Chief Engineer of the Board and adopted by the Board April 22, 1920, and on file in this office, to which special reference is hereby made. The materials to be used in this work shall consist of the requisite quantities of Portland cement and creosoted piles, rails and track fittings (which will be furnished to the Contractor by the Board), Douglas fir lumber, redwood lumber, hardwood lumber, sand, crushed rock and gravel, reinforcing materials, castings, structural steel, rods, bolts, spikes, roofing and painters' materials, glass, window frames, etc. All materials used must be of the best of their respective kinds if not especially specified herein. All materials used in the structures will be subjected to a rigid examination and test, and if found defective, under size, unsuitable or not as specified, will be condemned and must be immediately removed from the work by the Contractor at his expense.

No bid will be received unless it is made on a blank form furnished from this office, and be accompanied by a certified check for an amount equal to Five (5) per cent of the amount of the proposal, to be made payable to the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within six (6) days after the award is made, in that case the said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The Contractor shall be required to give a bond unto the Board of State Harbor Commissioners for not less than one-half of the total amount payable by the terms of the contract with a corporation, hereunto duly authorized by law and commonly known as a surety company, as surety (such surety to be one of those approved by the State Board of Control, a list of these approved surety companies being on file in the office of the Secretary), and oonditioned for the faithful performance by the Contractor of all the terms and conditions of said contract, according to the true intent and meaning thereof. Said bond shall also provide that if the Contractor, person, company or corporation to whom said contract is awarded, fails to pay for any materials or supplies furnished for the performance of the work contracted to be done, or for any work or labor done thereon of any kind, said surety will pay the same in an amount not exceeding the sum specified in said bond; and said bond shall also be made to inure to the benefit of material men, mechanics and laborers, as provided by that certain act of the Legislature of the State of California, approved May 1, 1911 (Stats. 1911, p. 1422). Said bond must be acceptable to and approved by said Board both as to surety and form.

Bids will not be considered by the Board unless delivered to the Secretary, or the Assistant Secretary, at the office of the Secretary, Room 17, Union Depot and Ferry House, at or prior to **11 o'clock n. m. on Friday, May 21, 1920,** at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interest of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications for this work to be had at Room 18, Union Depot and Ferry House, upon depositing $10.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid: "Bid for constructing extension to Pier No. 20."

J. H. McCALLUM,
H. H. COSGRIEF,
F. S. MOODY,
Board of State Harbor Commissioners.
FRANK G. WHITE,
Chief Engineer.
H. H. COSGRIEF,
Secretary.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned to **2 o'clock P. M. May 24, 1920,** for the construction of a reinforced concrete arch bridge over Evans Creek near Reno, Washoe County, Nevada.

Approximate quantities 800 cubic yards excavation, 155 cubic yards of concrete, 70 cubic yards dry rubble masonry.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the county clerk's office in Reno. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### BIDS WANTED FOR NEVADA STATE HOSPITAL BUILDING.

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN that the Board of Commissioners for the Care of Indigent Insane, Carson City, Nevada, will receive bids for the following items in the construction of an "Administration Building" on the grounds of the Nevada Hospital for Mental Diseases, near Reno, Nevada, according to official plans and specifications on file with said Commission, and the State Architect's Office, Reno, Nevada, viz:

1. General Construction.
2. Plumbing.
3. Electrical.

The drawings and specifications may be secured at the office of F. J. DeLongchamps, State Architect, Gazette Bldg., Reno, Nevada.

A deposit of $10.00 will be required for each set of drawings and specifications taken from the Architect's office.

Bids will be received at the office of the Commissioners for Care of Indigent Insane, Carson City, Nevada, not later than **11 A. M. on May 25, 1920.**

All bids shall be sealed in opaque envelopes and addressed to Commissioners for Care of Indigent Insane, Carson City, Nevada, and marked "Bid for Administration Building." Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the amount bid.

The Commissioners for Care of Indigent Insane reserve the right to accept or reject any or all bids.

Authorized this 23rd day of April, of Indigent Insane.

J. H. MYLES,
Clerk.
Board of Commissioners for Care of Indigent Insane.

**NOTE:**—The above is a two-story reinforced concrete building to cost approximately $200,000.

### NOTICE TO CONTRACTORS

Sealed proposals will be received by the undersigned **until two o'clock P. M., May 17, 1920,** for the construction of a bridge and appurtenances over the Virgin River near Bunkerville in Clark county, Nevada. Work consists of the following:

5600 cu. yds. excavation without classification.

108 cu. yds. Class "B" concrete complete in place.

4600 lineal ft. untreated timber piles complete in place.

115 M. Ft. B. M. timber trestle complete in place.

195,000 lbs. structural steel erected in place and painted.

888 lineal ft. guard rail.

700 " " control wier complete in place.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the county clerk's office in Las Vegas. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN, that bids for work, material and for the complete construction of a two-story brick building with an alternate bid for concrete walls, and for the removal of the present frame buildings known as the Domestic Science and the Manual Arts building from block 342 (the present site of Alhambra Union High School) in the town of Martinez, County of Contra Costa, State of California, to the new site of the proposed High School building in blocks 100, 101, 104, 105, 158 and 159 of the Original Survey of the town of Martinez will be received and publicly opened by the Trustees of the Alhambra Union High School District in Contra Costa County at the office of the principal of said school at the main high school building in the town of Martinez, County of Contra Costa, **between 10 o'clock A. M. and 10:30 o'clock A. M. of Friday, May 21, 1920.** A separate bid to be submitted for the installation in the above referred to buildings of program clocks, fire alarm and an intercommunicating telephone system. A separate bid to be submitted for the installation in said buildings of complete system of electric wiring; a separate bid to be submitted for the installation in said buildings of electric lighting fixtures; a separate bid to be submitted for the installation in said buildings of complete system of plumbing, gas piping and sewering. All bids to be in accordance with plans and specifications now on file in the office of J. E. Rodgers, Byron Brown Building, Martinez, California. Copies of plans and specifications may be had at the office of A. A. Cantin, Architect, 68 Post St., San Francisco, or Gazette Building, Martinez, California.

A deposit of $50.00 will be required as a guarantee of the return to the Board of Trustees of said High School of the plans and specifications taken for bidding or other purposes and will be refunded to the Contractor when the plans and specifications are returned in good condition. No bids will be received after the closing hour specified in this advertisement.

Accompanying each proposal shall be a statement, stating the maximum number of working days the bidder will agree to fully complete the work of this contract in.

Time is of the essence of a contract that may be awarded under this notice and the least maximum time required to complete the work by the bidder will be considered by the Board in awarding the contract.

In awarding the contract, bidders will understand that it will be necessary to file two bonds with the contract, one to the extent of 50% of the amount of the contract for faithful performance of the work and the other for 50% of the amount of the contract known as a lien bond to secure the payment of labor and material. The form of all bonds shall comply with all laws covering the same and will be subject to the approval of the District Attorney of Contra Costa County.

Proposals shall be delivered to A. E. Dunkel, President of the Board of Trustees of Alhambra Union High School District, at the office of the principal of said school in said high school building between the hours hereinbefore stated. Said bids shall be enclosed in a sealed envelope addressed to the Board of Trustees of Alhambra Union High School District, Contra Costa County, California.

A certified check of 5% of the amount of the proposal payable to Alhambra Union High School District, California, must accompany each proposal.

Should the successful bidder fail to obtain a bond and sign a contract for the amount of his proposal, upon the contract being awarded to him, under this notice, his check will be forfeited to said district.

All checks will be returned to the unsuccessful bidders upon application at the office of the Clerk of the Board after the contract has been signed and bond furnished by the Contractor whose bid has been accepted.

The competency and responsibility of bidders will be considered in making any award under this contract.

The Board of Trustees reserves the right to reject any or all bids or any part of any bid.

Dated April 17, 1920.

A. E. DUNKEL,
President of the Board of Trustees of Alhambra Union High School District.

J. E. RODGERS,
Clerk of the Board of Trustees of Alhambra Union High School District.

## BIDS WANTED FOR KITCHEN EQUIPMENT.

Your attention is invited to the fact that proposals will be opened in the near future on drawings and specifications No. 4097, covering Kitchen Equipment for six Barracks Buildings, Marine Corps Base, San Diego, California.

The drawings and specifications may be obtained on application to the Bureau in Washington, D. C., or to the Commandant, 12th Naval District, Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The six kitchens are to be provided with modern and adequate equipment, which is to be properly installed and connected to steam, gas, vent, water, waste and drip services.

The estimated cost is $22,000.00.

Yours truly,
R. L. MORTON,
Lieutenant Commander (CEC), U. S. N. By direction of the Public Works Officer

## NEW BRICK PROCESS.

A new brick that has recently been introduced in England is nearly five times as large as an ordinary brick, but in comparison is much less heavy and more easily handled. The lighter weight results from the hollowing out of the brick to provide air layers. By the shaping of the ends the existence of joints running all the way through the wall is avoided. The brick is, as a rule, made of one part of cement and four parts sand by simple hand machinery. Three men can make enough bricks in a day to build four hundred to five hundred square feet of wall. A further economy is effected by the manner of laying the walls, inasmuch as the ends and bottoms of the bricks need only to be dipped in a thin lime mortar mixed with a small amount of cement. If laid in the usual way the air channels in the bricks would become filled.—N. Y. Journal of Commerce.

## SUBWAY PLANNED FOR CITY OF TOKIO.

TOKIO.—If plans framed by three promoting companies materialize Tokio will have a subway rapid transit service within the next six or seven years.

Charters have been granted by the government to the Tokio Railway company, the Tokio Rapid Transit company and the Musashi Electric company to construct "tuhes" in the city. An expert is expected to arrive here soon from London to supervise the construction.

Total cost of the system—three lines, 20.6 miles in length—is estimated at ninety-two million yen.

A scheme has been developed in Europe for making coke useful as a domestic fuel by combining it with coal dust and loam, which lower its excessively high temperature while it is burning.

## BIDS WANTED FOR CONTRA COSTA HIGHWAYS.

MARTINEZ, Contra Costa Co., Cal.—Up to June 7th, 11 A. M. bids will be received by the County Supervisors, J. H. Wells, Clerk, for the following units of the county highway system in accordance with plans prepared by R. R. Arnold, County Highway Engineer:

For construction of Sec. 2 of Div. No. 23 of County Highway which is a portion of the streets of the towns of Valona and Crockett, beginning at State Highway on Second St. in town of Valona, and running along 2d Ave. Starr Ave., 4th Ave., Loring Ave., and Vallejo Street a distance of 4456 feet.

For construction of Div. No. 24 of County Highway which is situated between town of Concord and Clayton, a distance of 5.77 miles; (oil macadam pavement).

For construction of an oil macadam pavement on Div. No. 27 which runs from present Co. Highway southerly and westerly on what is known as Ygnacio Valley route to Walnut Creek, a distance of 4 miles;

For the grading of Div. No. 26 of said Highway System which lies between Danville and Tasajara, a distance of 8.04 miles.

Plans may be had from the office of the County Engineer at Martinez.

## BIDS WANTED FOR SEWER SYSTEM.

NATIONAL CITY, San Diego Co., Cal.—Until 8 p. m., May 18, bids will be received by City Clerk O. A. Mullen for constructing a sanitary sewer system including approximately 10.7 miles of 4 to 12 in. pipe and septic tank; work to be done under Vrooman act. Plans and specifications may be obtained from City Engineer C. E. Ireland on deposit of $5.

## TOY FACTORY FOR UKIAH PROBABLE.

UKIAH, Mendocino Co., Cal.—The McLaren-Sleight Corporation of Chicago, one of the largest toy manufacturing concerns in the United States, is planning the erection of a factory in Ukiah.

Mr. McLaren, President of the Company, has been in Ukiah looking over sites and getting prices on property that would be suitable for such a plant.

Ukiah is favored because of the timber grown in Mendocino County, which would eliminate the shipment of the product to the East as is being done at the present time.

Curtis A. Miller, Ukiah real estate operator, is handling the business for the company and will take the matter up with the local Chamber of Commerce in an effort to locate the plant as soon as possible.

## PLANS FOR SEWER WORK NEARING COMPLETION.

SAN JUAN, San Benito Co., Cal.—Engineer A. M. McRea is completing plans for the proposed sewer system to be constructed under the recently voted bond issue.

## PLANS COMPLETED FOR RICHMOND SUBWAY WORK.

Richmond, Contra Costa Co., Cal.—City Engineer H. D. Chapman has completed plans and specifications for the improvement of the subway as ordered by the State Railroad Commission. The work will cost about $9,000.

Early action is expected by the Council in getting the work underway.

## STREET WORK CONTRACT AWARDED.

ASTORIA, Ore.—The City Council has awarded a contract to McLean & Williams at $24,665.36 for the improvement of Grand, Madison and Lexington avenues in Taylor's Astoria.

Bids for the improvement of Tenth, Franklin, Sixteenth and other streets were rejected.

## BRIDGE CONTRACT AWARDED.

REDDING, Shasta Co., Cal.—The County Supervisors have awarded a contract to William Stephens of Redding at $5,500 for the construction of a concrete bridge across Battle Creek at the Wildcat Crossing. F. H. Neilson at $6,998 was the next lowest bidder.

Construction will be financed by Shasta and Tehama Counties.

## PAVING CONTRACT AWARDED.

LONG BEACH, Los Angeles Co., Cal.—C. H. Cunningham, 253 American Ave., was awarded the contract at $17,322.48 for paving Golden Ave., between Fourth St. and Ocean Blvd. with concrete base and bituminous protective coat.

## BIDS WANTED FOR SCHOOL BONDS.

SAN JOSE, Santa Clara Co., Cal.—Up to May 17th bids will be received by the County Supervisors for the purchase of the $10,000 bond issue of the Cambrian School District, proceeds of which will be used to finance construction of a new school building.

(Continued From Page 8.)

PETALUMA, Sonoma Co., Cal.—W. A. Dontanville who has the contract for the Main and Third street improvements has sub-let contracts to John Rocca of San Francisco for the construction of the concrete bridge across Third street at F street and the concrete culvert in North Main street.

Lyman Green is City Clerk.

SEATTLE, Wash.—The King County Commissioners have rejected bids submitted for grading and graveling the R. A. Ballinger road. The low bid was submitted by E. J. Macquaid of Seattle at $35,800, approximately $7,000 higher than the engineer's estimate.

It is probable the work will be done by day labor.

MARTINEZ, Contra Costa Co., Cal.—J. E. Staniger at $94,342 has been awarded the contract for paving four miles of county highway in the San Pablo Creek section, which will connect with the highway at Richmond. Other bidders were:

| | |
|---|---|
| Bates & Borland | $112,404 |
| Downer & Moro | 148,460 |

The engineer's estimate was $95,000.

A. H. Kopperud at $126,567 was awarded the contract for the oil macadam road (Border Highway) in the eastern section of the county. Other bidders were:

Blake Bros., $23,632.14, and A. J. Grier, $32,524.19.

R. R. Arnold is County Highway Engineer.

YUBA CITY, Sutter Co., Cal.—The County Engineer has completed plans for a five mile stretch of county highway from Live Oak to Pennington. The road is to be of the asphaltic macadam type.

SACRAMENTO, Cal.—The City Council has awarded a contract to the Clark & Henery Construction Co., of Sacramento, for the improvement of Thirty-seventh street, from J street to Folsom Boulevard, by constructing concrete curbs, gutters and sidewalks, placing 6 cast iron gutter drains connecting same with 6-inch vitrified ironstone sewer pipe; construct 8-inch vitrified ironstone pipe sewer; 4 concrete manholes with cast iron curbs and covers, grading and placing a 5½ inch asphaltic concrete pavement.

Improvement of the alley first south of J street, west of 37th street, by constructing 8-inch vitrified ironstone pipe sewer with 1 vitrified ironstone wye branch and 1 concrete manhole with cast iron curb and cover.

Improvement of the alley first north of Folsom Boulevard, west of 37th street, by construction of 8-inch vitrified ironstone pipe sewer with 1 6-inch wye branch attached.

Improvement of the alley between 36th and 37th streets, from the north line of Folsom Boulevard to the alley first north of Folsom Boulevard, by constructing 8-inch vitrified ironstone pipe sewer with 17 6-in. wye branches and 1 concrete manhole with cast iron curb and cover.

RED BLUFF, Tehama Co., Cal.—The County Supervisors have authorized the chairman of the board to sign the agreement on behalf of the county with the Southern Pacific Company to commence the construction of the subway at the crossing one mile south of Red Bluff.

Under the existing agreement the county pays one-fourth of the cost of construction and the State highway commission takes charge of the county's end of the work in regard to supervision and other details.

H. G. Kuhn is County Clerk.

SALINAS, Monterey Co., Cal.—The Supervisors have awarded a contract to McReynolds Bros., of Hollister, for rocking the uncompleted five-mile stretch of the Salinas-Watsonville road. The bid was $14,560.

T. P. Joy is County Clerk.

VALLEJO, Solano Co., Cal.—The City Attorney has been instructed to commence proceedings for the opening of a street from the east terminal of the causeway to the foot of Tennessee street, as requested by Mare Island officials. T. D. Kilkenny is City Engineer.

REDDING, Shasta Co., Cal.—The City Trustees have decided to construct a piece of road within the city limits to connect with the Tower House lateral, to be some 2400 feet in length.

City Engineer Rolison estimates the work to cost $2,000.

FLORENCE, Ariz.—Until 2 P. M., June 1, bids will be received by the Pinal County highway commission at Florence for grading 5 miles of highway between Ray and Kelvin, involving 35,000 cu. yds. solid rock excavation, 14,861 cu. yds. loose rock excavation and 13,000 cu. yds. common excavation. Plans and specifications may be obtained from W. W. Lane, County Highway Engineer, for the sum of $10. E. G. Dentzer is secretary of the commission.

PETALUMA, Sonoma Co., Cal.—J. B. Silva has been granted a permit by the City Council to construct, under private contract, a sewer in portions of Third street between G and H Sts.

QUINCY, Plumas Co., Cal.—Approximately $35,000 will be spent by the California Fruit Growers' Exchange in the construction of a water system at Davies Mill, according to A. M. Mortensen, Manager of the lumber department of the Exchange.

The water will be piped through a twelve-inch banded Redwood main from a point in the hills about one and one-quarter miles distant from the mill and townsite.

PHOENIX, Ariz.—Twohy Bros., Co. of Spokane, Wash., was awarded the contract on May 3 for constructing the entire 278 miles of the Maricopa county good roads system under the $4,000,000 bond issue, all roads to be paved with concrete. The paving will comprise about 1,500,000 sq. yds., varying in thickness from 4 to 6 inches. Twohy Bros. bid only on concrete roads.

MARTINEZ, Contra Costa Co., Cal.—At the last meeting of the County Supervisors, R. R. Arnold, County Highway Engineer, submitted plans and specifications for the paving of secondary roads in the county. The plans include the paving of the Concord-Clayton road a distance of 6 miles; Ygnacio valley, 4 miles; Tassajara, 8 miles; and the Crockett streets one mile. With the exception of Crockett the other roads included in the plans and specifications are to be paved with oilbound macadam.

Bids for these stretches will be called for in the near future.

SAN JOSE, Santa Clara Co., Cal.—The County Engineer has been instructed to prepare plans and specifications for the improvement of the Quito road in Supervisor District No. 5.

Henry A. Pfister is County Clerk.

STOCKTON, San Joaquin Co., Cal.—The City Council, A. L. Banks, City Clerk, has passed resolution of intention No. 648 providing for the construction of a system of lateral sewers with Y branches, house connections and manholes with automatic flushers in South street from Center street to Lincoln street.

The work will be done under the improvement Act of 1911.

SANTA MONICA, Los Angeles Co., Cal.—Until 10 A. M., May 14, bids will be received by the City Clerk for improving Third street between Pico Blvd. and the west line of Bandini tract; work to be done under Improvement Act of 1911.

The California Highway Commission has authorized the construction of reinforced concrete shoulders and Topeka surface on the State highway between Beresford and Redwood City, about 4.2 miles in length, on a day's labor basis, and has made an allotment of $82,900 for such purpose.

The California Highway Commission has authorized the paving of several short links of State highway in San Luis Obispo County, a total length of about 1.4 miles between San Luis Obispo and the south county line, on a day's labor basis, the sum of $33,800 having been allotted for such purpose.

The California Highway Commission has authorized the construction of concrete shoulders through the town of Los Alamos in Santa Barbara County, and an allotment of $1,850 has been made for such purpose.

The California Highway Commission has authorized certain paving, about one mile in length, in Kern County south of Bakersfield, on a day's labor basis, the sum of $20,340 having been allotted for such purpose.

The California Highway Commission has authorized the construction of a portion of the State highway in Inyo County between Round Valley Road and the Northerly boundary, a length of about 5.85 miles, on a day's labor basis, and the sum of $44,100 has been allotted for such purpose.

SALINAS, Monterey Co., Cal.—The bid of the Granite Rock Co., at $22,185, for constructing a shoulder on the Salinas-Monterey road from the intersection of the Tassajara road to Monterey, a distance of 7¾ miles, has been rejected by the Supervisors and the work ordered done by day labor under the supervision of County Engineer Howard F. Cozzens. The engineer's estimate was $17,500

PLACERVILLE, El Dorado Co., Cal.—A resolution has been passed by the City Trustees calling an election to vote bonds of $30,000 with which to purchase and improve the distributing system of the Placerville Water Works

PETALUMA, Sonoma Co., Cal.—The City Council, Lyman Green, City Clerk, has awarded a contract to Schlunneger Bros., at 60½c for cutting down concrete sidewalks and resetting curbs in Main street.

Other bidders were: Raisch Imp. Co., $1.10 lin. ft.; W. A. Dontonville, 64c; M. Thide, $1.25; T. E. Clinch, 65c.

RED BLUFF, Tehama Co., Cal.—It will cost the city approximately $148,904 to construct a municipal water works system, according to estimates submitted to the Trustees by City Engineer W. F. Lunning. This amount covers the cost of work and materials.

Further data will be submitted at the Trustee's meeting of May 17th.

STOCKTON, San Joaquin Co., Cal.—Petitions are in circulation urging the City Council to improve West street from the Sperry Flour mills to the drawbridge. Work will consist of constructing sidewalks, gutters and pavement.

W. R. Hogan is City Engineer.

FRESNO, Fresno Co., Cal.—City Engineer Murray has been instructed by the Council to establish official grades in the Florence and Kirk Additions of the city, preparatory to ordering plans for sewering these districts.

Chas. Dillon is City Clerk.

SACRAMENTO, Cal.—The City Commissioners have awarded a contract to the McGillivray Construction Co., of Sacramento, for the improvement of Donner Way between 24th street and Franklin Boulevard, by constructing concrete curbs and gutters, 9 cast iron gutter drains connecting same with 6-inch vitrified ironstone sewer pipe, grading and constructing a 5½ inch asphaltic concrete pavement. M. J. Desmond is City Clerk.

WOODLAND, Yolo Co., Cal.—Up to May 17th, 5 P. M., bids will be received by J. H. Laugenour, City Clerk, for the improvement of First street, from Marshall to Hays; Marshall avenue, from College to First, and Hays street from College to First by grading, constructing concrete curbs and gutters; paving with a bituminous base 3 inches thick with a wearing surface 2½ inches thick covered with a Warrenite Flush Coat Composition; basalt header blocks; corrugated iron culverts, etc.

Separate bids will be opened on the same date for similar improvements in Lincoln avenue from West street to a line 330 feet east of Sixth street, including intersections.

Work will be done under the Improvement Act of 1911.

WOODLAND, Yolo Co., Cal.—The Clark & Henery Construction Co. has been awarded a contract by the City Trustees for the improvement of Oak avenue from Elm to College by grading, constructing a bituminous concrete base 3 inches thick with a Warrenite-bitulithic wearing surface 2 inches thick, basalt block headers and concrete curbs and gutters.

Unit prices follow:

Pavement, $0.219 sq. ft.; grading, $0.03 sq. ft.; basalt block headers, $0.219 sq. ft.; combined concrete curbs and gutters, $0.85 lin. ft.; curbs (alone), $0.43 lin. ft.; gutters (alone), $0.43 lin. ft. J. H. Laugenour is City Clerk.

BAKERSFIELD, Kern Co., Cal.—Owing to errors in the proceedings the City Council has ordered that new proceedings be started for the improvement of Sumner street. New plans and specifications will be prepared.

ALAMEDA, Alameda Co., Cal.—Bonds of $175,000 have been voted to finance construction of the North Side sewer which will serve all of the city west of Grand street, for both drainage and sanitation.

Work will be started immediately after the sale of the bonds.

SACRAMENTO, Cal.—The State Board of Control has rejected two bids submitted for the state highway 4½ per cent bonds. According to Clyde L. Seavey, member of the State Board of Control, it is probable that another call for bids will be issued.

ORLAND, Glenn Co., Cal.—The City Trustees have approved the plans of Engineer Meek and will pass a resolution of intention in the near future providing for a huge paving project.

The paving will consist of an asphalt and concrete base with a Warrenite surface.

C. W. Davis is Superintendent of Streets.

## RAILROADS.

OAKLAND, Alameda Co., Cal.—The City Council has rejected two bids for furnishing materials to be used in construction of a spur track from Howard street wharf to the foot of Market street, on recommendation of City Attorney H. L. Hagen.

The materials will be purchased in the open market.

L. W. Cummings is City Clerk.

### NOTICE TO CONTRACTORS.

Attention is invited to the fact that proposals will be opened in the near future for the following work:

Drawings and specification No. 4114, covering Laundry, Bakery, and Refrigerating Plant, Industrial Building, Marine Barracks, Naval Base, San Diego, California.

The drawings and specification may be obtained on application to the Bureau of Yards and Docks, Navy Department, Washington, D. C., to the Commandant, Twelfth Naval District, No. 417 Sheldon Building, San Francisco, California, or to the Public Works Officer, U. S. Navy, Timken Building, San Diego, California, by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The laundry equipment will consist of motor driven washers, extractors and tumblers, dry rooms, and electrically operated ironers and shapers and other accessories pertaining to a modern laundry. The Government will furnish some of this equipment, which will be installed by the contractor. The bakery equipment will consist of electric ovens, motor driven dough and cake mixers, dough molder, proofer divider, rounder, and other accessories necessary to equip an efficient bakery. The ice making and refrigerating plant will consist of duplicate, motor driven compressors, brine circulating pumps, an ammonia condenser, brine cooler, freezing tank, and other apparatus pertaining to a raw-water ice making plant, together with refrigerating equipment for the storage rooms. Included also as a part of the refrigerating equipment will be the meat tracks and hangers, and the insulation of the storage rooms. Connections are to be made to the electric, steam, return, waste, and water services.

The estimated cost is $55,000.00.

LEONARD M. COX,
Commander, C. E. C. U. S. Navy, Public Works Officer. (tf)

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Gen. Oscar F. Long, Hazel Lane.
W. M. Alexander, Union and King.
W. C. Dallas, 92 Sea View.
Berkeley.
C. A. Smith, Claremont Court.
A. Mereen, Claremont Court.
Redwood City.
E. R. Diamond, Portola Road.
Burlingame.
E. A. Christenson, Hillsborough.
Geo. A. Newhall, Hillsborough.
Mrs. C. W. Penoyer, Hillsborough.
Oakland.
Geo. C Jensen.

METAL PRODUCTS COMPANY OF CALIFORNIA
Agents for
The Permutit Company
of New York.
Sheldon Bldg. 461 Market Street.
Telephone Douglas 1539.
PERMUTIT SOFT WATER.

### FRESNO FIRM BUYS EIGHT LUMBER YARDS.

MODESTO, Cal.—For a consideration said to approach $1,000,000, the R. O. Deacon Company of Fresno has purchased the Tuolumne Lumber Company's holdings in Stanislaus and San Joaquin Counties.

Yards in Modesto, Empire, Escalon, Hughson, Ripon, Denair, Riverbank and Oakdale were purchased by the Fresno company, which will operate under the name of the Ward Lumber Company, with G. H. Ward as President.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

## BUILDING CONTRACTS

### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 1158 | Muzio | Becker | 700 |
| 1159 | Campbell | Owner | 40000 |
| 1160 | Ocean Shore Irn | Gilmour | 1000 |
| 1161 | Ryder | Phillips | 500 |
| 1162 | Friedman | Ahl | 500 |
| 1163 | Scahill | Owner | 4000 |
| 1164 | Lee | Lindgren | 10000 |
| 1165 | Pacific Coast | Cal Hyd | 6000 |
| 1166 | De Bernandi | Owner | 500 |
| 1167 | Crane | Henderson | 6000 |
| 1168 | Fuller | Jenkins | 1265 |
| 1169 | Andresen | Andresen | 14000 |
| 1170 | Braun | Owner | 500 |
| 1171 | S F Invst Co | Monson | 25000 |
| 1172 | Abrams | Deibel | 12750 |
| 1173 | Molora | Duncan | 15000 |
| 1174 | Alverson | Brockage | 1700 |
| 1175 | Laggett | Hamill | 5000 |
| 1176 | Ackerman | MacDonald | 3500 |
| 1177 | Sharon | Taylor | 25000 |
| 1178 | Pacific Fndry | Wilhelm | 900 |
| 1179 | Rignotto | Crothers | 500 |
| 1180 | Cirimolc | Rinaldo | 500 |
| 1181 | Vasconi | Martinelli | 6850 |
| 1182 | Davidson | Hardy | 2605 |
| 1183 | Helbush | Owner | 5000 |
| 1184 | Person | Owner | 1000 |
| 1185 | Kivi | Owner | 5500 |
| 1186 | Von Werthern | Owner | 500 |
| 1187 | Berghauser | Owner | 6000 |
| 1188 | Lang | Owner | 4000 |
| 1189 | Ruggles | Moller | 20000 |
| 1190 | Vette | Owner | 400 |
| 1191 | Fuller | Jenkins | 1265 |
| 1192 | Anderson | Johnson | 23000 |
| 1193 | Same | Klimm | 3054 |
| 1194 | Same | Gordon | 1400 |
| 1195 | P H Home | Pac States | 32285 |
| 1196 | Dolsen | Henderson | 600 |
| 1197 | Paladini | Guisti | 1750 |
| 1198 | Adler | Macdonald | 20000 |
| 1199 | Wilson | Owner | 4000 |
| 1200 | Fontanella | Fontanella | 14000 |
| 1201 | Sichel | MacKillop | 6000 |
| 1202 | Kingston | Hogberg | 6450 |
| 1203 | McCarthy | Arnott | 3100 |
| 1204 | Sutton | McKee | 8000 |
| 1205 | Schwable | Owner | 700 |
| 1206 | Triebel | Gillespie | 1900 |
| 1207 | Baldwin | Beck | 11000 |
| 1208 | Univ. of Cal. | Owner | 5000 |
| 1209 | Cooper | Cameron | 2000 |
| 1210 | Quinn | Baner | 12000 |
| 1211 | Lindeman | Lewis | 4000 |
| 1212 | Weissbein | Cress | 4500 |
| 1213 | Sharon | Goericke | 289000 |
| 1214 | Crowe | Farquharson | 5400 |
| 1215 | Hunter | Taylor | 3000 |
| 1216 | Security | Coburn | 925 |
| 1217 | Conner | Owner | 500 |
| 1218 | Same | Owner | 750 |
| 1219 | Brune | Lasse | 600 |

### PERMITS.

ALTERATIONS
(1158) NO. 60 ALVARADO ST. General alterations and repairs for flats.
Owner—P. Muzio, Premises.
Architect—None.
Contractor—H. A. Becker, 63 Landers St., San Francisco.
COST, $700

APARTMENTS
(1159) SE CALIFORNIA & JORDAN Ave. Three-story and basement frame (12) apartments.
Owner—J. V. Campbell, 1040 Bryant St., San Francisco.
Architect—None.
Day's work COST, $40,000

ADDITION
(1160) NO. 550 EIGHTH ST. Add one-story 18'x30' to present building.
Owner—Ocean Shore Iron Works, 550 8th St., San Francisco.
Architect—None.
Contractor—Geo. D. Gilmour, 1953 Howard St., San Francisco.
COST, $1000

ALTERATIONS
(1161) NO. 5537 GEARY ST. Alter store front.
Owner—Annie F. Ryder, 5 S-14th St., San Jose, Cal.
Architect—None.
Contractor—J. H. Phillips, 228 22nd Ave., San Francisco.
COST, $500

ALTERATIONS
(1162) NO. 94 MARKET ST. Construct division wall in store and alter front.
Owner—A. L. Freidman, 167 Market St., San Francisco.
Architect—None.
Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco.
COST, $500

DWELLING AND GARAGE
(1163) W NOE 86 S NINETEENTH One-story and basement frame dwelling and garage.
Owner—Mrs. Thos. Scahill, 33 Pearl St. San Francisco.
Architect—F. E. Hyde, 2745 26th Ave., Oakland Calif.
Day's work. COST, $4,000

FOUNDATIONS
(1164) NE O'FARRELL AND VAN Ness Ave. Erection of foundations only for future fireproof autosales building.
Owner—Don Lee, California & Van Ness Ave., San Francisco.
Architect—Weeks and Day, Phelan Bldg., San Francisco.
Contractor—Lindgren Company, Monadnock Bldg., San Francisco.
COST, $10,000
(NOTE—This is an application for a partial permit.)

INSTALL BOILER
(1165) NO. 731 SANSOME ST. Install a 150 h. p. boiler to replace 80 h. p. boiler.
Owner—Pacific Coast Syrup Co., 731 Sansome St., San Francisco.
Architect—None.
Contractor—California Hydraulic & Engineering Co., San Francisco.
COST, $6,000

NEW FRONT, ETC, FOR GARAGE
(1166) NO. 1834-1838 STOCKTON ST. New front, etc., for basement garage.
Owner, Paul De Bernandi, 1832 Stockton St., San Francisco.
Architect—None.
Day's work. COST, $500

(1167) W STANFORD 100 S BRANNAN. Erect mezzanine floor and install elevator in pipe warehouse.
Owner—Crane Co., 2nd and Brannan Sts., San Francisco.
Architect—Lewis P. Hobart, 1122 Crocker Bldg., San Francisco.
Contractor—W. D. Henderson, 619 Monadnock Bldg., San Francisco.
COST, $6,000

### RECORDED.

FRAME RESIDENCE
(1168) N MARKET ST. EXTENSION 66.12 SE Mono; No. 243 Falcon and adj. lot 235 Falcon. All work for removal of 1-story frame residence and removal of one-story frame residence from adjoining lot to present lot.
Owner—Mary Fuller, 235 Falcon Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Jas. A. Jenkins & Rollo A. Brown, 224 Falcon Ave.
Filed May 3, '20. Dated May 3, 1920. Present building removed and adjacent building moved to new location and foundation in and rustic on .....$632
Completed and accepted..... 633
TOTAL COST, $1,265
Bond, $633. Sureties J. P. Hamann and E. Bailey. Limit, 50 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for.

### PERMITS.

(1169) NE ANZA AND TWENTY-second Ave. Two-story and basement frame (4) apartments.
Owner—Marten Andresen, 3426 19th St., San Francisco.
Architect—None.
Contractor—Hans C. Andresen 1229 Pacific St., Alameda.
COST, $14,000

ADDITIONS, ETC.
(1170) SW ALICE AND FOLSOM STS. Overhaul present building and make additions for storage rooms.
Owner—C. F. Braun & Co., 604 Mission St., San Francisco.
Architect—None.
Day's work. COST, $500

ADDITION
(1171) NW BEALE AND MISSION. Addition of fifth story to present building.
Owner—San Francisco Invst. Co., Care Architect.
Architect—D. C. Colemann, Room 303, 20 Montgomery St., San Francisco.
Contractor—Monson Bros., and M. V. Brady, 110 Jessie St., San Francisco
COST, $25,000

RESIDENCE
(1172) N EL CAMINO DEL MAR, Foot of 32nd Ave. Two-story and basement frame residence and garage.
Owner—Dr. Al. Abrams, 2135 Sacramento St., San Francisco.
Architect—H. C. Smith, Humboldt Bk. Bldg., San Francisco
Contractor—L. J. Deibel, 2453 Buchanan St., San Francisco.
COST, $12,750

SALES ROOM
(1173) SE ELLIS AND VAN NESS Ave. One-story and basement brick sales room.
Owner—A. J. Molora, Monterey, Cal.
Architect—Owner.
Contractor—W. C. Duncan Co., 205 Sharon Bldg., San Francisco.
COST, $15,000

ALTERATIONS
(1174) NO. 50 FIFTH AVE. Alterations and additions to residence.
Owner—W. W. Alverson, 266 Bush St., San Francisco.
Architect—Smith O'Brien, 742 Market St., San Francisco.
Contractor—Brockage, Foley & Green, 180 Jessie St., San Francisco.
COST, $17,00

RESIDENCE
(1175) E FORTIETH AVE 75 N Balboa. Two-story and basement frame residence.
Owner—Edna Leggett, 1270 Fell St., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 715 42d Ave. San Francisco.
COST, $5000

RESIDENCE
(1176) SE FORTY-EIGHTH AVE & Quintara. One-story and basement frame residence.
Owner—Irving C. Ackerman, 281 O'Farrell St., San Francisco.
Architect—None.
Contractor—MacDonald & Kahn, 907 Rialto Bldg., San Francisco.
COST, $3500

FOUNDATION
(1177) NW HOWARD AND NEW Montgomery. Foundations for eight-story Class "B" furniture exchange building.
Owner—Sharon Estate Co., Sharon Bldg., San Francisco.
Architect—K. MacDonald Jr., 234 Pine St., San Francisco.
Contractor—Taylor & Goericke, 220 Sharon Bldg., San Francisco.
COST, $25,000
NOTE—This is application for partial permit.

ALTERATIONS
(1178) W HARRISON 150 S 18th. Raise roof of electric furnace building and underpin.
Owner—Pacific Foundry Co., Premises.
Architect—None
Contractor—A. H. Wilhelm, 180 Jessie St., San Francisco.
COST, [illegible]

ALTERATIONS
(1179) NO. 66 JOOST AVE. Alter for private garage; cement floors and walls.
Owner—J. Rignotte, Premises

Architect—None.
Contractor—F. Crothers, 1426 10th Ave., San Francisco.
COST, $500

ALTERATIONS
(1180) NO. 1645 LEAVENWORTH ST. Remove wood and replace with terrazzo steps; cement basement floor for flats.
Owner—Fred Cirimole, Premises
Architect—None.
Contractor—A. Rinaldo, 71 Bernard St., San Francisco.
COST, $500

REPAIR SHOP
(1181) S LOMBARD 225 W Van Ness Ave. One-story reinforced concrete auto repair shop.
Owner—Pio Vasconi, 3035 Larkin St., San Francisco.
Architect—Chas. Fantoni, 550 Montgomery St., San Francisco.
Contractor—J. Martinelli, 1427 Mason St., San Francisco.
COST, $6850

ALTERATIONS
(1182) NO. 729 MARKET. Change store front, beaver board ceilings, etc.
Owner—John C. Davidson, Inc., Prem.
Architect—A. M. Hardy, 212 8th Ave., San Francisco.
Contractor—A. M. Hardy, 212 8th Ave., San Francisco
COST, $2600

RESIDENCE
(1183) E PALM AVE 70 S Euclid Ave. One-story and basement frame residence.
Owner—H. H. Helbush, 75 Sutter St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Day's work. COST, $5000

ALTERATIONS
(1184) S RUSSIA 25 E Lisbon. Alter present building for flats.
Owner—Martin Person, 200 London St., San Francisco.
Architect—None.
Day's work. COST, $1000

RESIDENCE
(1185) N ROLPH 210 E Paris. One-story and basement frame residence.
Owner—Victor Kivi, 3350-A 16th St., San Francisco.
Architect—None.
Day's work. COST, $3500

ALTERATIONS
(1186) NO. 397 TWENTY-NINTH ST. Alter store front; new floor.
Owner—Dr. Von Werthern, 30th and Chenery Sts., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1187) NO. 111 TAYLOR. Remodel hotel lobby.
Owner—J. H. Berghauser, 333 Kearny St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. COST, $6000

DWELLING
(1188) E TWENTY-FIRST AVE 166 S Taraval. One-story and basement frame dwelling.
Owner—Lang Realty Co., Mills Bldg., San Francisco.
Architect—Owner.
Day's work. COST, $4000

AUTO SALES BLDG.
(1189) W VAN NESS AVE 10 N Eddy. One-story and basement reinforced concrete auto sales room.
Owner—Mary A. Ruggles, Cr. Architect
Architect—August G. Headman, New Call Bldg., San Francisco.
Contractor—Fred Moller, Care Architect.
COST, $20,000

ALTERATIONS
(1190) NO. 1429-31 WEBSTER. Alter for private garage
Owner—G. F. W. Cette, 1590 O'Farrell St., San Francisco.
Architect—None.
Day's work. COST, $700

**RECORDED.**

REMOVE RESIDENCE
(1191) N MARKET ST. EXTN. 66.12 SW Mono; No. 233 Falcon Ave. and adj. Lot, 235 Falcon Ave. All work for removing present building and moving adj. building to present lot, foundation, underpinning, etc.
Owner—Mary Fuller, 235 Falcon Ave., San Francisco

Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Jas. A. Jenkins and Rollo A. Brown, 221 Falcon Ave., San Francisco.
Filed May 5, '20. Dated May 5, '20. Present building removed and adj. building moved to new location, underpinning and rustic on..$632
Completed and accepted.....633
TOTAL COST, $1265
Bond, $633. Sureties, J. F. Hamann and E. J. Bailey. Limit, 50 days. Forfeit, none. Plans and specifications filed.

FLATS
(1192) NW LAKE AND EIGHTEENTH Ave N 100xW 32-6. All work except plumbing and painting for three-story building (flats).
Owner—Martha Anderson.
Architect—A. I. Coffey, Humboldt Bk. Bldg., San Francisco.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.
Filed May 5, '20. Dated May 3, '20. 1st story concrete walls up.....$1500
Ready for rafters..... 4500
White coated ..... 5750
Completed and accepted..... 5500
Usual 35 days..... 5750
TOTAL COST, $23,000
Bond, none. Limit, 100 days. Forfeit, $10. Plans and specifications filed.

(1193) SEWERS, ROUGH PLUMBING fixtures, etc., on above.
Contractor—Frank J. Klimm, 221 Oak St., San Francisco.
Filed May 5, '20. Dated May 3, '20. Sewers and rough plumbing in..$1000
Completed and accepted..... 1290
Usual 35 days..... 764
TOTAL COST, $3054
Bond, none. Limit, 75 days. Forfeit, $10 Plans and specifications filed.

(1194) PAINTING, ETC., on above.
Contractor—C. E. Gordon, 1612 10th Ave., San Francisco.
Filed May 5, '20. Dated May 3, 1920. Outside primed and inside 2nd coated .....$500
Completed and accepted..... 925
Usual 35 days..... 475
TOTAL COST, $1900
Bond, none. Limit, 90 days. Forfeit, $10. Plans and specifications filed.

GRADING ETC.
(1195) SOUTHERLY LINE OF TRACT bounded by Ocean Ave., Faxon Ave., and Ashton Ave., and extending northerly from Ocean Ave. to an irregular northerly line 1100 feet. All work for grading, road work, paving, curbing and installation of sewer, water lines, valves, manholes, hydrants, etc.
Owner—Pacific Hebrew Orphan Asylum and Home Society.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—Pacific States Constr. Co., Call Bldg., San Francisco.
Filed May 5, '20. Dated May 5, '20. 2nd and 3rd day of each month 75%
Usual 35 days..... 25%
TOTAL COST, $32,585.10
Bond, $32,585.10. Surety, Hartford Accident & Indemnity Co. Limit, July 21, 1920. Forfeit, none. Plans and specifications filed.

**PERMITS**

(1196) NO. 946 BUSH. Alter for auto storage rooms.
Owner—Dolson & Anderson, Bush and Taylor Sts., San Francisco.
Architect—None.
Contractor—W. D. Henderson, 619 Monadnock Bldg., San Francisco.
COST, $600

ADDITION
(1197) NO. 540 CLAY. Add mezzanine floor to market
Owner—A. Paladini, Premises.
Architect—None.
Contractor—S. A. Guisti, 617 Sansome St., San Francisco.
COST, $1750

OFFICE BUILDING
(1198) SE MONTGOMERY AND COMmercial. Two-story and basement reinforced concrete office building.
Owner—Dr. Howard Adler, 907 Rialto Bldg., San Francisco.
Architect—None.
Contractor—Macdonald & Kahn, Rialto Bldg., San Francisco.
COST, $20,000

FRAME DWELLING
(1199) S NORTHWOOD 158 E Miramar. One-story and basement frame dwlg.
Owner—Wilson & Benson, 1783 Waller St., San Francisco

Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Day's work. COST, $1000

ALTERATIONS
1200) NO. 1920 PINE. Re-arrange interior partitions and add to apartments.
Owner—Fontanella & Martinoli, 1682 Eddy St., San Francisco.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.
Contractor—L. Fontanella, 1682 Eddy St., San Francisco.
COST, $14,000

DWELLING
(1201) E TWENTY-FIRST AVE 200 S Balboa. One-story and basement frame dwelling.
Owner—Malvin A. Sichel, 337 Webster St., San Francisco.
Architect—None.
Contractor—Alex. W. MacKillop, 685 40th Ave., San Francisco.
COST, $6000

**RECORDED.**

GRADING, ETC.
(1202) N ELLIS 137-6 W Hyde N 137-6 xW 34-4½. Grading, concrete and brick work for one-story Class "C" brick building.
Owner—Paul F. Kingston, 519 California St., San Francisco.
Architect—B. R. Christensen, 230 Lick Bldg., San Francisco.
Contractor—Emil Hogberg, 180 Jessie St., San Francisco.
Filed May 6, '20. Dated Apr. 29, '20. Grading done and concrete foundations up to street level.....$1611
Brick work up to ceiling joists. 1611
Completed and accepted..... 1611
Usual 35 days..... 1617
TOTAL COST, $6450
Bond, $3225. Sureties, Walter N. Reey and L. B. Sibley. Limit, 30 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported May 1, 1920, No. 1143.

FRAME COTTAGE
(1203) LOT 34 BLK 27, Lakeview. All work for frame cottage.
Owner—The McCarthy Co., 316 Bush St., San Francisco.
Plans by Contractor.
Contractor—James Arnott & Son, 2426 32nd Ave., San Francisco.
Filed May 6, '20. Dated Apr. 29, '10. 30 days after frame up..... 25%
30 days after brown coated.... 25%
30 days after completed and accepted ..... 25%
Usual 35 days..... 25%
TOTAL COST, $3100
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

**PERMITS.**

(1204) N BUSH 50 W FRANKLIN. One-story and basement brick store.
Owner—Frank Sutton, 1601 Sacramento St., San Francisco.
Architect—None.
Contractor—Wm. McKee, 2201 California St., San Francisco.
COST, $8,000

ALTERATIONS
(1205) NO. 2770 FRANKLIN ST. Alterations for two flats-erect fire escape.
Owner—Mrs. G. Schwable, 1591 Greenwich St.
Architect—None.
Day's work. COST, $700

ALTERATIONS
(1206) 937 FELL STREET. Alter flat into two apartments.
Owner—F. H. Triebel, 937 Fell St., San Francisco.
Architect—None.
Contractor—G. G. Gillespie, 2214 Divisadero St., San Francisco.
COST, $1,900

GARAGE
(1207) SE MARKET 108 6¼ NE Guerrero. One-story and basement reinforced concrete private garage.
Owner—O. D. Baldwin, 661 Phelan Bldg., San Francisco.
Architect—Albert W. Burgren, 661 Phelan Bldg., San Francisco.
Contractor—John E. Beck, 110 Jessie St., San Francisco.
COST, $11,000

ALTERATIONS
(1208) FARNASSUS AND SECOND Aves. Divide A and B wards into 11 private rooms.
Owner—University of California, Berkeley.
Architect—Owner.
Day's work. COST, $5000

ALTERATIONS
(1209) NO. 1336 POST ST. Whitewashing, painting, skylights, etc., for battery station.
Owner—Earl P. Cooper, Inc., 28 Oak St., San Francisco.
Architect—None.
Contractor—Cameron & Disston, Hearst Bldg., San Francisco.
COST, $2000

DWELLINGS
(1210) N SOUTHWOOD 97 and 150 W Miramar. Two one-story and basement frame dwellings.
Owner—Lucy A. Bauer and A. Quinn, 2506 23rd Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—L. A. Bauer, 2506 23rd Ave., San Francisco.
COST, $6000 each

DWELLING
(1211) E TWENTY-SIXTH AVE 225 N Geary. One-story and basement frame dwelling.
Owner—Mrs. Eliz. Lindeman, 232 Anza St., San Francisco.
Architect—None.
Contractor—H. C. Lewis, Foxcroft Bldg San Francisco.
COST, $4000

RECORDED

ALTERATIONS.
(1212) N OEARY 60 W Sixth Ave. All work for alterations to present building to be used as battery service station.
Owner—Jacob Weissbein, Hobart Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Frank H. Cress, 180 Jessie St., San Francisco.
Filed May 7, '20. Dated Apr. 26, '20.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $4500
Bond, $2250. Sureties, Otto Schrader and Otto R. Schrader. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 22, 1920, No. 1046.

CLASS "B" BUILDING
(1213) NW NEW MONTGOMERY AND Howard N 160 W 142-6 S 70 E 15-4 S 90 E 127-2. All work except mechanical equipment for eight-story Class "B" building.
Owner—Sharon Estate Co., Sharon Bldg., San Francisco.
Architect—Kenneth Macdonald Jr., 234 Pine St., San Francisco.
Contractor—W. A. Goericke (as Taylor & Goericke), Sharon Bldg., San Francisco.
Filed May 7, '20. Dated Apr. 30, '20.
Payments semi-monthly of.... 75%
Usual 35 days..... 25%
TOTAL COST, $289,000
Bond, none. Limit, 270 days. Forfeit, none. Plans and specifications filed.

PERMITS

(1214) N CEDAR AVE 140-6 E Polk. Two-story reinforced concrete shop.
Owner—J. B. Crowe, 1055 Post St., San Francisco.
Architect—None.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco.
COST, $5400

ALTERATIONS
(1215) N CLAY 81-3 E Baker. Alterations and additions for residence.
Owner—T. B. Hunter, Rialto Bldg., San Francisco.
Architect—None.
Contractor—Taylor & Goericke, 220 Sharon Bldg., San Francisco.
COST, $3000

REPAIRS
(1216) NO. 2505 GOUGH. Repair fire damage to dwelling.
Owner—Security Savings Bank, 446 Montgomery St., San Francisco.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco.
COST, $925

GARAGE
(1217) NW GREEN AND POLK. One-story frame private garage.
Owner—Mrs. W. E. Conner, 2301 Polk St., San Francisco.
Architect—A. I. Coffey, 312 Humboldt Bank Bldg., San Francisco.
Day's work. COST, $500

GARAGE
(1218) NW POLK AND GREEN. One story frame private garage.
Owner—W. E. Conner, 2301 Polk St., San Francisco.
Architect—A. I. Coffey, 312 Humboldt Bank Bldg., San Francisco.
Day's work. COST, $750

ALTERATIONS
(1219) NO. 2474 SUTTER. Finish interior of lower flat for 5 rooms and bath.
Owner—A. Brune, 2472 Sutter St., San Francisco.
Architect—None.
Contractor—A. F. Basse, 2472 Sutter St., San Francisco.
COST, $600

## COMPLETION NOTICES

### San Francisco County

May 1, 1920—N WASHINGTON 68-9 W Jones W 68-9xN 137-6. Joseph and Anna Pasqualetti to whom it may concern.....April 29, 1920
May 3, 1920—E NINETEENTH AVE 225 N "C" N 25xE 75. A P Herlihy to Meyer Bros.....May 1, 1920
May 1, 1920—W THIRD AVE 124-9¼ S Cabrillo S 32xW 120. C Wilfert to whom it may concern.Mar. 1, 1920
May 3, 1920—E SEVENTEENTH AV 75 N Fulton. Arthur Stevens to whom it may concern....May 3, 1920
May 3, 1920—E THIRTY-FIFTH AV 125 N Balboa N 50xE 120. J W Wright & Sons, Invst. Co. to whom it may concern.....Apr. 28, 1920
May 3, 1920—E TWENTY-SIXTH Ave 171-8 S Anza S 46-8xE 120. J W Wright & Sons Invst. Co. to whom it may concern....Feb. 1, 1920
May 3, 1920—W THIRTY-SIXTH AV 175 N Cabrillo N 25xW 120. John J Pratt to whom it may concern.....May 3, 1920
May 5, 1920—S CALIFORNIA 95.496 W Palm Av S parl with W Palm Av 114.98 W 25 N 112.425 m or l E 25.13 m or l. Charles W Higgins to whom it may concern.....May 1, 1920
May 5, 1920—E NINETEENTH AVE 200 N Cabrillo N 25 E 73-3. A P Herlihy to Meyer Bros..May 3, 1920
May 5, 1920—W FOURTH AV 145-9½ S Parnassus Ave S 50xW 120. A J Raisch to Edward Cox...Apr. 1, 1920
May 5, 1920—LOT 12 BLK 3175 Westwood Park. Henry C and Mrs J Mangels to Mangels Bros.May 3, 1920
May 5, 1920—W MISSION 70 S Ocean Ave S 53 W 100 N 61 E 100. Geo Lagomarsino to A Debendetti.....May 4, 1920
May 5, 1920—NO. 225 CHURCH ST. Mrs. A Havard to whom it may concern.....April 26, 1920
May 6, 1920—W THIRD AVE 124-9¼ S Cabrillo S 32xW 120. C Wilfert to Cramer Bros. and Gus May...
May 6, 1920—LOTS 11 AND 12 BLK 7, Forest Hill. Raymond H Bone to J Prout and N George Weinolz .....May 5, 1920
May 6, 1920—W TWELFTH AVE 275 N Fulton N 25x120. Alfred T Morris to whom it may concern..May 5, 1920
May 6, 1920—E TWENTY-SEVENTH Ave 50 N Anza N 25xE 75. Joseph C Kirby to whom it may concern .....May 6, 1920
May 7, 1920—SW GEARY AND 15th Ave W 142 S 100 E 39-5½ SE 0-5 E 102-5¾. Ben Schloss to W Williams.....May 6, 1920
May 7, 1920—W PLYMOUTH AVE & N line Lot 15 Blk 3163 S 40 N 87 deg. 30 min. 26 sec. W 98.259 N 42.199 S 80 deg. 13 min. 50 sec. E 97.997 Ptn Lot 15 Blk 3163, Westwood Park. Michael C Rench to whom it may concern..Apr. 30, 1920
May 7, 1920—SE NINETEENTH AND Bryant S 151-10xE 70. Chas H Lovell and Union Trust Co to Fred Wakner.....May 1, 1920
May 7, 1920—COMG. 306.2 S Islais and 540 E Third S 100xE 50. S L Jones & Co to Joseph Pasqualetti (as American Concrete Co).Mar. 27, 1920
May 7, 1920—N MISSION 79-6 E Third N 80xE 20-6¾ S to N line of Mission W. 20-8½. Augustine M. Ignatius W and Jerome C Skelly and Sarah McGee to Thos Mulcahy .....May 5, 1920

LIENS FILED.

### San Francisco County.

Apr. 30, 1920—SW FOURTH 75 NW Jessie NW 80 SW parl. with Jessie 164-1 SE parl. with Fourth 80 SW parl. with NW Jessie 45-11 SE parl. with SW Fourth 75 NE 100. Andrew J Puryear vs Elmer S Ekbom and The Society of California Pioneers, E M Rolkin and Shields-Ekbom Co .....$112.75
May 1, 1920—NE FREMONT 183-4 NW Howard NW 45-10xNE 137-6; NE Fremont 229-2 NW Howard NW 45-10xNE 137-6; NE Frempnt 275 NW Howard NW 45-10xNE 137-6. John Bermingham Jr., Adms Est. C M Belshaw, dec'd to Hill Bros. to July 30, 1930. $300 per month, etc.

## BUILDING CONTRACTS

### Alameda County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 931 | Carleton | Carleton | 3500 |
| 997 | Hoffer .. | Ketley | 3000 |
| 998 | Sittman | Owner | 3000 |
| 999 | Starr | Owner | 3000 |
| 1000 | Murill | Burnett | 900 |
| 1001 | Durant | Durant | 2000 |
| 1002 | Garome | Owner | 450 |
| 1003 | Strey | Owner | 400 |
| 1004 | Lorian | Clarke | 3000 |
| 1005 | Niles | Woodard | 6000 |
| 1006 | Woodard | Owner | 4000 |
| 1007 | Hunkins | Church | 1000 |
| 1008 | Wagner | Brewin | 650 |
| 1009 | Rosen | Schnebly | 500 |
| 1010 | Reiley | Corbett | 450 |
| 1011 | Higby | Lechner | 700 |
| 1012 | Davis | Young | 1000 |
| 1013 | McIntosh | Wendt | 5600 |
| 1014 | Abbott | Krosca | 1200 |
| 1015 | Long | Sheridan | 6000 |
| 1016 | Hill | Schwalm | 10,400 |
| 1017 | Graff | Owner | 8000 |
| 1018 | Independent | Parker | 4000 |
| 1019 | Nat'l Lead Co. | Owner | 2000 |
| 1020 | Electro Alkaline | Owner | 1500 |
| 1021 | Weeks | Olsen | 2000 |
| 1022 | Logan | Pfrang | 9000 |
| 1023 | Rankin | Larmer | 4500 |
| 1024 | Kercheo | Kercher | 4500 |
| 1025 | Highland | Lindquist | 500 |
| 1026 | Independent | Parker | 3000 |
| 1027 | Lesser | Kennedy | 8000 |
| 1028 | Wolf | Wiliams | 2500 |
| 1029 | Metropolitan | Rich | 1000 |
| 1030 | Wright | Owner | 500 |
| 1031 | Mareagno | Owner | 475 |
| 1032 | Jamison | McPhee | 2200 |
| 1033 | Kempkey | Allen | 8350 |
| 1034 | Tucker | Rich | 18500 |
| 1035 | Herling | Stolte | 575 |
| 1036 | Fischer | Owner | 4500 |
| 1037 | Brophy | Owner | 1600 |
| 1038 | Benson | Benson | 2900 |
| 1039 | Hawkins | Church | 650 |
| 1040 | Larm | Owner | 500 |
| 1041 | Flint | Leiter | 15000 |
| 1042 | McKarley | Owner | 2000 |
| 1043 | City of Okd. | Faulkes | 1370 |
| 1044 | Tindell | Hambleton | 2000 |
| 1045 | Waddell | MacGregor | 15014 |
| 1046 | Waddell | MacGregor | 3822 |
| 1047 | Waddell | MacGregor | 3732 |
| 1048 | Waddell | MacGregor | 3687 |
| 1049 | Herrick | Owner | 925 |
| 1050 | Sang | Kennedy | 2000 |
| 1051 | Bartram | Pedgrift | 450 |
| 1052 | Mott | Starr | 460 |
| 1053 | First Svgs.. | Walker | 30000 |
| 1054 | Waddell | MacGregor | 3800 |
| 1055 | Waddell | MacGregor | 3805 |
| 1056 | Waddell | MacGregor | 3667 |
| 1057 | City of Okd. | Faulkes | 1370 |
| 1058 | City of Okd. | Faulkes | 1370 |
| 1059 | Marymont | Kulchar | 6000 |
| 1060 | Leonard | Owner | 500 |

(997) S ADDISON 80 E Acton, Berkeley. One-story 5-room dwelling.
Owner—A. Hoffer.
Architect—None.
Contractor—Wm. Ketley, 924 San Benito Road, Berkeley.
COST, $3000

(998) W EUCLID AVE 50 S Hawthorne, Berkeley. Two-story 5-room dwelling.
Owner—Penelope Sittman, 1556 Le Roy Ave., Berkeley.
Architect—None.
Day's work. COST, $3000

(999) NO. 1325 STANAGE, Berkeley. One-story 4-room dwelling.
Owner—C. M. Starr, 2019 Delaware St., Berkeley.
Day's work. COST, $3000

Owner—H. L. McCready, 4820 9th Ave., Sacramento.
Architect—None.
Contractor—C. J. Hopkinson, 1318 25th St., Sacramento.
COST, $5500

FRAME FLATS
NO. 3940 J ST., Sacramento. Two-story frame (4) flats.
Owner—E. Chappell, 825 26th St., Sacramento.
Architect—None.
Contractor—F. A. Holdner, 2310 J St., Sacramento.
COST, $10,000

## COMPLETION NOTICES.

### Sacramento County.

Recorded Accepted
May 3, 1920—930 "K" ST., (Hotel Land Bldg.), Sacramento. Fred E. Butler to Wm. Murcell.....April 19, 1920

## BUILDING CONTRACTS

### San Joaquin County.

GRAIN ELEVATOR
WEST WEBER AVE., Stockton. Grain Elevator.
Owner—Sperry Flour Co., Weber and Madison Sts., Stockton.
Architect—None.
Day's work. COST, $75,000

RESIDENCE.
HAMPTON AVE. BET. ElDorado and Hunter, Stockton. Frame residence.
Owner—Otto Grunsky, 131 Sperry, Stockton.
Architect—None.
Day's work. COST, $2,000

RESIDENCE
FLORA AND OPHIR STS., Stockton. Frame residence.
Owner—Elwin Duffy, Stockton, Cal.
Architect—None.
Day's work. COST, $4,500

DWELLING
W. ACACIA ST., BET. SAN JOSE and Yosemite Sts., Stockton. Frame dwelling.
Owner—Albertson & Drais, 32-33 Bank of Italy Bldg., Stockton.
Architect—None.
Day's work. $5,000

RESIDENCE
BURKETT VILLA, Stockton. Residence.
Owner—W. Stoughton, 710 E. Church St., Stockton.
Architect—None.
Day's work. COST, $1,500

BOTTLING WORKS
SOUTH AURORA ST. BET. WASHINGTON and Lafayette, Stockton. Bottling works.
Owner—N. Copello, 840 E Washington St., Stockton.
Architect—None.
Day's work. COST, $1000

RESIDENCE
CENTER AND ELM STS., Stockton. Frame residence.
Owner—A. & F. Giovanessi, 901 S Center St., Stockton.
Architect—None.
Day's work. COST, $6,650

ADDITION
E SONORA ST. BET. LAUREL AND Ash Sts., Stockton. Addition.
Owner—Clarence Worthington, Premises.
Architect—None.
Day's work. COST, $1,000

PAVING.
ALL THAT PORTION OF WEBER avenue between Union and Sacramento streets bounded by lines outside of, parallel to and 2 feet distance measured at right angles from the outside of the rails of the two tracks of the Western Pacific Railroad Company across said Weber avenue and the single tracks of the Southern Pacific Company and of the Central California Traction Company on Weber avenue; also those certain strips or portions of Weber avenue where the paving has been torn up over the conduit trench adjacent to Western Pacific depot, Stockton. All work for paving with asphaltic pavement on concrete base.

Owner—The Western Pacific Railroad Co. (a cptn.)
Architect—None.
Contractor—Clark & Henery Constr. Co., 38 S-Sutter St., Stockton.
Filed May 5, '20. Dated Apr. 21, '20.
TOTAL COST, $——
Bond, limit, forfeit, plans and specifications, none.

## BUILDING CONTRACTS.

### Santa Clara County.

RESIDENCE
NO. 184 HOBSON ST., San Jose. Six-room residence.
Owner—J. McCombs, 214 Hobson St., San Jose.
Architect—C. S. McKenzie, Bank of San Jose Bldg., San Jose.
Day's work. COST, $6000

ALTERATIONS
COR.-MARKET AND SANTA CLARA, San Jose. Alterations.
Owner—Growers Bank, Santa Clara.
Architect—Morris Bruce, Flood Bldg., San Francisco.
Contractor—W. A. McDaniels, 542 S-8th St., San Jose.
COST, $25 000

ALTERATIONS
NO. 40 S-FIRST ST., San Jose. Alterations.
Owner—Metropolitan 5c to 50c Store, San Jose.
Architect—None.
Contractor—R. O. Summers 17 N-First St., San Jose.
COST, $10,207

COTTAGE
NO. 243 N-EIGHTH ST., San Jose. Cottage.
Owner—F. T. Edmans, Premises.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
NO. 32 W-SAN FERNANDO ST., San Jose. Alterations.
Owner—J. H. Graves, 152 S-9th St., San Jose.
Architect—None.
Contractor—Wm. J. Moore, 75 Duane St., San Jose.
COST, $3000

BUSINESS BLOCK
NO. 71-75 S-SECOND ST., San Jose. Brick business block.
Owner—William Halla, 65 S-Second St., San Jose.
Architect—Theo. Lenzen, 110 S-Second St., San Jose.
Contractor—Wm. J. Moore, 75 Duane St., San Jose.
COST, $18,300

ALTERATIONS
NO. 520 POST ST., San Jose. Alterations.
Owner—Tony Zaro, Premises.
Architect—None.
Contractor—Wm. J. Moore, 75 Duane St., San Jose.
COST, $982

ALTERATIONS
NO. 510 S-SIXTH ST., San Jose. Alterations.
Owner—M. L. Bozelle.
Architect—None.
Day's work. COST, $1000

## COMPLETION NOTICE.

### Santa Clara County.

Recorded Accepted
Apr. 30, 1920—SAN JOSE. San Francisco Investment Co to Various Contractors.....April 30, 1920
May 6, 1920—SAN JOSE. L. B. Dugdale to P. T. Jorgensen.....April 30, 1920
May 6, 1920—SAN JOSE. John Rossich to Al Compton....April 26, 1920

## BUILDING CONTRACTS.

### Fresno County.

FRAME DWELLINGS
LOTS 6, 7, 10, 11, 14, 15, 18, 19, 43 and 44 Blk 4, Roeding Addition, Fresno. Five frame dwellings.
Owner—Roeding Estate Co., Fresno.
Architect—None.
Day's work. COST, $5000 each

FRAME DWELLING
LOTS 7 AND 8 BLK 2, Meadowbrook Tract, Fresno. Frame dwelling.
Owner—C. J. Wentworth, 725 Dudley St., Fresno.
Architect—None.
Day's work. COST, $3000

DWELLINGS
LOTS 7 AND 8 BLK 24, Hazelwood, Fresno. Two frame dwellings.
Owner—Thos. Montgomery, 271 Thesta St., Fresno.
Architect—None.
Day's work. COST, $2000 each

BLACKSMITH SHOP
LOTS 11 AND 12 BLK 159, Fresno. Blacksmith shop.
Owner—Thos. B. Kelly, Fresno.
Architect—None.
Contractor—S. L. Allen, 530 Forthcamp St., Fresno.
COST, $2600

ADDITION
NO. 489 GLENN AVE., Fresno. Addition.
Owner—E. W. Houghton, Fresno.
Architect—None.
Day's work. COST, $1500

DWELLING, ETC.
LOT 49 W 20 feet Lot 18 Blk 15, North Park Terrace, Fresno. Frame dwelling and garage.
Owner—W. O. Pickford, 1839½ Van Ness, Fresno.
Architect—None.
Day's work. COST, $3500

## COMPLETION NOTICES.

### Fresno County.

Recorded Accepted
May 5, 1920—LOTS 13, 14 & 15 BLK 18, Belmont Addition, Fresno. E A Nichols to whom it may concern .....May 3, 1920
May 3, 1920—E 50 FT. OF W 100 FT. of lot 2 blk. 3, Hazlewood. C. W. Opie to whom it may concern. Filed .....May 3, 1920
Apr. 29, 1920—LOTS 13 AND 14 BLK 4, Stratford Place, Fresno. Victor J Cox to whom it may concern....
.....April 28, 1920
May — 1920—LOTS 21 TO 32 BK 189, Fresno. San Joaquin Baking Co. to whom it may concern.May 5, 1920

## LIENS FILED.

### Fresno County.

Recorded Amount
Apr. 30, 1920—LOT 49 Poppy Col., Fresno. Grant Rock & Gravel Co vs Tessie H Manning.....$190
May 6, 1920—LOTS 30, 31, BK 5 Morris Sub., Fresno. J. T. White vs Mrs. R. McLean... .....$39

## BIDS WANTED FOR ELECTRIFICATION OF CAUSEWAY AT MARE ISLAND.

SEALED PROPOSALS, indorsed "Proposals for Electrification of Causeway and Transfer Yard, Mare Island, Cal., will be received at the Navy Yard, Mare Island, Cal., **11 o'clock A. M., May 19, 1920,** and then and there publicly opened for the complete electrification of the railroad track on the Vallejo-Mare Island Causeway and the transfer yard at the Navy Yard, using a 3,300 volt single phase alternating current overhead system, of the catenary type, carried by bracket arms on the causeway, and by bracket and span construction elsewhere. Wood poles will be used throughout except on bascule bridge on causeway, where special steel frame supports will be used, both poles and steel frame supports being furnished by the government. Drawings and Specification No. 4188 may be obtained on application to the Commandant, Navy Yard, Mare Island.

Deposit of a check or postal money order for $10.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of the contract.

E. L. BEACH, Commandant.
April 10, 1920.

WASHINGTON, May 5.—Frederick G. Cottrell of California has been nominated by President Wilson to be director of the bureau of mines, succeeding Van H. Manning, resigned.

# Building & Engineering News

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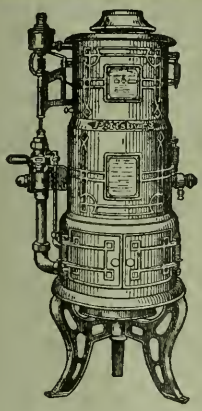

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**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

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Building & Engineering News

**The Larsen Construction Reports,** issued every business day of the year, is invaluable as the basis for your salesman's daily work, furnishing each morning a complete report of the previous day's news developments. It contains reports gathered from all sections of the Pacific Coast, covering new work projected, bids wanted and contracts awarded for buildings, streets and highways, sewers, bridges, etc.; building permits and general information affecting construction work.

Twentieth Year | San Francisco, Cal., May 19, 1920 | Number 20

Publication Office
560 MISSION ST., SAN FRANCISCO.

# EDITORIAL

L. A. LARSEN, Publisher.
J. P. FARRELL, Managing Editor.

## PREDICT BUILDING COSTS HIGHER FOR FIVE YEARS.

Speculation on the continuance of high building costs is rife today just as it was one year ago. Possibly the same persons who last spring considered lower prices inevitable comprise a majority of those who entertain the same view now. It is significant that most persons who are now predicting that building costs are about to recede have no clearly defined reason for their position. A year ago the chief contention of those professing to foresee a slump in prices was that prices were prohibitive and that no one could afford to pay them. That argument is not now advanced because it has been refuted. The chief contention now is that prices are due to fall and people who build are bound to pocket a shrinkage in values in a very short time. The basic conditions which have been responsible for the advances in building costs, do not, however, appear to be materially changed and no one has been able to give any satisfactory forecast as to when they will begin to change.

It is intereating to note the views expressed by men allied with the building industries in the east on the question of building costs. A roundtable discussion of the building situation took place at a recent dinner meeting of the Pittsburg Builders' Exchange, the consensus of opinion being, according to report of the meeting appearing in the American Contractor, that building costs will not be lowered for five years and may be further increased.

At this meeting John P. Eichleay of the John Eichleay, Jr., Company, spoke from the iron and steel point of view. He said:

"Like all other branches of the building trade, conditions in the structural steel business are abnormal. The production of steel for some months past has been greatly hampered by shortage of cars. This has reduced the output and has made it difficult for the fabricating shops to operate with any degree of efficiency.

"The greater part of the work in progress at present is for manufacturing plants, and there is a large quantity of this class of work being estimated.

"To secure plain material within any reasonable time it is necessary to pay two or three times the normal price. The wages paid for labor in fabricating shops ($2.45 a day) have doubled in five years, while the output per man has been reduced nearly 50 per cent.

"The great change in conditions can be better realized by a comparison of prices. While now fabricated steel sells at $100 to $150 per ton, there have been times when plain steel could be purchased at less than $20 per ton, and it is said that steel with some fabrication has been bought at $20.

"As an example in recent years, we might refer to a large local building, the steel for which was furnished and erected at less than $30 per ton, the price for erection being about $7 ten years ago."

F. L. Stulen spoke for the painters' trades. He said materials are getting higher in prices, and scarcer every day, and gave as an example the prices of linseed oil which, he said, is the basis of all painting, which are 100 per cent higher than they were during the war. He declared the supply of linseed oil is not nearly equal to the demand, the reason being that capital that was formerly invested in the manufacture of that product is being put into other lines of industry. He declared that it is better to build now, as the future forebodes much higher prices in all lines of building material and labor.

Walter E. Hatch, secretary of the Keystone Lumber Company, said he could see no relief from the present shortage of lumber, as the sources of supply are getting farther and farther away, and that labor is not only getting scarcer and scarcer, but the men are doing less work an hour than heretofore. He said he was surprised at the amount of lumber that is being used in the manufacture of automobiles, pianos and victrolas—all luxuries.

The matter of cement was discussed by R. H. Hoy of the Universal Portland Cement Company. He saw some ray of hope for a better supply of cement in the future than now. The present shortage, he declared, was due to the storage of cement and the booking ahead of large orders by concerns who look for large demands in the early future. He believes the demand will not measure up to the expectation of such dealers, and that in a few months there will be plenty of cement on the market, but he does not look for a lowering of prices because of the cost of production.

George T. Heppenstall of Heppenstall & Marquis, discussed the lime situation. He said the lime market is simply shot to pieces; that there is a positive shortage with little hopes of the supply getting any better. He said lime is not being burned at any ways near the quantity it was before the war, because farmers are using ground limestone in place of the burned product for fertilizer, and the Government, having declared lime not one of the war essentials, its manufacture was reduced to the minimum when the armistice was signed, and has not taken on anything like the proportion it had before the war.

The brick and other clay products used in building were discussed by Robert K. Cochrane, Jr., of the Hay-Walker Brick Company. He said the situation was practically the same as that of lime. The government, during the war, had practically stifled the brick business and that of other clay products, except the manufacture of fire brick for furnaces, and the change back to brickmaking for roads and building materials has been decidedly discouraging. Besides, he said, clay workers are going to easier jobs.

Ira C. Ewing, president of the Heating Engineering Supply Company, said materials which are used in his business are so high in prices and so scarce that he cannot see how his firm's products can be reduced in prices. He declared the only thing to do is to go ahead with all building possible, as it will be years before building costs will be lower.

C. B. Fawcett of the Johns-Manville Company, talked along the same line as Mr. Ewing.

E. M. Tate, secretary of the exchange, declared the mismanagement of the railroads during the past three years has been to blame for building conditions; that there are plenty of cars to handle the freight of the country, but they were not properly put into service. He said the railroads, under government management, had set the pace for high wages and high costs of everything, and that the labor situation will be the cause of high costs of building for years to come. He submitted the following table to show what may be expected in the wage situation:

| | Present wages Per hr. | Asked wages Per hr. |
|---|---|---|
| Carpenters | $ .90 | $1.25 |
| Cement workers | .82½ | 1.25 |
| Bricklayers | 1.12½ | 1.50 |
| Hoisting engineers | .90 | 1.15 |
| Struc. iron workers | 1.00 | 1.25 |
| Painters | .87½ | 1.78½ |
| Plasterers | 1.00 | 1.15 |
| Plumbers | 1.00 | 1.06 |
| Electricians | 1.00 | 1.10 |

Mr. Tate said the plasterers and plumbers will get their advance in May and the electricians in July. The settlement, concerning the advances in the wages of the other trades, he said, has not been effected.

# ADVANCE NEWS
## Official Proposals, Etc.

# Building.

## APARTMENT HOUSES.

Sketches Being Prepared.
APARTMENT HOUSE Cost, $40,000
BERKELEY, Alameda Co., Cal.
Three-story brick apartment house.
Owner—Withheld.
Architect—W. H. Ratcliff Jr., 1st Nat'l. Bank Bldg., Berkeley.

Figures Being Taken.
APARTMENTS Cost, $35,000
SAN FRANCISCO. Bush Street. Lot, 25x100.
Five-story and basement reinforced concrete apartments (7 3 and 4-room apts.)
Owner—Withheld.
Architect—Chas. E. J. Rogers. Phelan Bldg., San Francisco.
NOTE:—Figures are being taken for a general contract.

Building Permit Granted.
ADDITION Cost, $25,000
RENO, Nevada. First Street.
Fireproof addition to apartment house (3 and 4-rooms each).
Owner—Colonial Apartments, First St., Reno, Nevada.
Architect—Not Given.
NOTE:—Harry Chism, City Engineer of Reno, acting Building Inspector, approved the plans.

Figures to be Taken in About Three Weeks.
APARTMENTS Cost, $100,000
LONG BEACH, Los Angeles Co., Cal. On the Ocean Front, bet. 8th and 9th Places.
Reinforced concrete apartment house.
Owner—Ricardo Hofer.
Architect—H. A. Anderson, Palace Theatre Bldg., Long Beach.

Contract Awarded.
APARTMENTS Cost, $30,000
SAN FRANCISCO. S Post 68 WTaylor.
Three-story and basement reinforced concrete stores and (4) apartments
Owner—J. B. and M. Gay.
Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.
Contractor—Wm. Martn, 110 Jessie St., San Francisco.

Plans Complete.
APARTMENTS Cost, $——
COALINGA, Fresno Co., Cal.
Frame and plaster apartment house (8 2 and 4-room apts), First unit of housing scheme.
Owner—Standard Oil Co.
Architect—T. B. Wiseman, Morgan Bldg., Bakersfield.

Plans Being Prepared.
APARTMENTS Cost, $300,000
OGDEN, Utah.
Four-story brick, mill and stone apartment house, 154x114.
Owner—D. C. Eccles.
Architects—Sutton & Whitney, Lewis Bldg., Portland, Ore.

Plans Being Figured.
APARTMENTS Cost, $——
LOS ANGELES, E Benton Blvd., bet. 7th Street and Wilshire Blvd.
Seven-story and basement Class "A" reinforced concrete and steel apartment house (2, 3, 4 and 5-room apts.)
Owner and Architect—Franklin Harper 672 Benton Blvd., Los Angeles.
The owner is now taking bids for the various sub-contracts to be let, and building operations will begin in about two weeks.

## BANKS.

Plans Being Prepared.
BANK Cost, $75,000
RED BLUFF, Tehama Co., Cal.
One-story concrete, brick and terra cotta bank.
Owner—Red Bluff National Bank.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Contract Awarded. Work Started.
BANK BLDG. Cost, $12,000
SALIDA, Stanislaus Co., Cal.
Brick and concrete bank building.
Owner—Salida Bank.
Architects and Contractors—Davis, Heller & Pearce, Belding Bldg., Stockton.

Plans to be Prepared.
ALTERATIONS Cost, $——
MONTEREY, Monterey Co., Cal.
Alterations and additions for bank building.
Owner—First National Bank of Monterey, T. A. Work, President, Monterey, Cal.
Architect—Not Given.
NOTE:—A site for the proposed addition has already been purchased.

## BONDS.

PLEASANT GROVE, Sutter Co., Cal.—An election will be held in the Pleasant Grove School District May 22d to decide the question of issuing and selling bonds of $34,000 with which to finance construction of a new grammar school building.
Trustees of the District are: G. C. Francis, C. A. Keys, J. G. Davis, Mabel A. Glenn and Lillie A. Catlett.

UNIVERSITY COLONY, Fresno Co., Cal.—An election will be held in the University Colony School District on May 28th to decide the question of issuing bonds of $6,300 to finance construction of a new school building. Trustees of the District are: Lewis E. Harris, A. J. Savory, Thomas M. Sims.

FERNDALE, Humboldt Co., Cal.—The State Board of Health has condemned the present Ferndale Grammar School and steps are now being taken by Trustees of the District to have the structure replaced with a modern building. Funds to finance construction will be raised through a bond issue.

HANFORD, Kings Co., Cal.—The Kings County Supervisors have agreed to purchase $13,500 of State highway bonds with additional expenditures for right-of-way and bridges, to ensure the building of the portion of the Coalinga lateral in this county, a distance of about 8 miles, provided that Fresno County finances the balance of the distance to the Monterey County line.

TURLOCK, Stanislaus Co., Cal.—May 24th is the date set to decide the question of issuing and selling bonds of $14,000 with which to purchase auto trucks for the transportation of students and for the addition of two rooms to the present school including equipment.

EMPIRE, Stanislaus Co., Cal.—No bids were received by the Stanislaus County Supervisors for the $63,000 bond issue of the Empire School District and the time for opening bids will be extended. Thos. Wiseman of Bakersfield is the architect.

McFARLAND, Kern Co., Cal.—The erection of a modern high school building is planned by the McFarland School District. Sites for the proposed structure are now being considered.
Funds to finance construction will be raised through a bond issue.

## CHURCHES.

Plans Being Prepared.
UNDERTAKING PARLORS Cost, $15,000.
PITTSBURG, Contra Costa Co., Cal. Corner 8th and York Streets.
Two-story frame and stucco undertaking parlors and apartments.
Owner—Henry Nuttman Jr.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Plans Being Prepared.
CHURCH Cost, $——
LOS ANGELES. Third Street and Western Avenue.
Two-story and basement brick church.
Owner—Wilshire Presbyterian Church.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

Plans Complete.
SCHOOL & CHURCH Cost, $170,000
SEATTLE, Wash. Ninth Avenue and Weller Street.
Four-story masonry school and church, 110x110 (auditorium seating 500).
Owner—Oriental Evangelication Society of Seattle.
Architect—J. A. Creutzer, Haight Bldg., Seattle, Wash.

Plans Being Prepared.
CHURCH, ETC. Cost, $150,000
STOCKTON, San Joaquin Co., Cal.
Brick and concrete church, Sunday

School and community hall.
Owner—First Presbyterian Church of Stockton.
Architects and Contractors—Davis, Heller & Pearce, Belding Bldg., Stockton.

Preliminary Plans Being Prepared.
CHURCH, ETC. Cost, $——
BERKELEY, Alameda Co., Cal. Claremont Court.
Brick and frame church, rectory and Sunday School buildings.
Owner—St. Clements Episcopal Parish. (Rev. F. A. Martyr, Pastor). 2961 Pine St., Berkeley.
Architect—W. H. Ratcliff Jr., 1st Nat'l. Bank Bldg., Berkeley.

## COURTHOUSES.

Contracts Awarded.
COURT HOUSE Cost, $77,533
LOVELOCK, Nevada.
Two-story brick Class "C" Court House
Owner—Pershing County.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno, Nevada.
General Contractor—Howard S. Williams, Hearst Bldg., San Francisco, contract price, $68,543.
**Plumbing** awarded to Jacob C. Meyer of Reno at $8,990.

## FACTORIES & WAREHOUSES.

Plans Being Prepared.
BUILDING Cost, $125,000
SAN FRANCISCO. W Second from Federal Street to South Park.
Four or five-story reinforced concrete building.
Owner—Federal Rubber Co., 1239 Van Ness Ave., San Francisco.
Architect—E. G. Garden, 783 Flood Bldg., San Francisco.
NOTE:—Plans will be ready for figures about the middle of June.

Contract Awarded.
FACTORY BLDG. Cost, $200,000
SAN DIEGO, San Diego Co., Cal. Union and Market Streets.
Four-story and basement brick and mill constructed factory building.
Owner—Citrus Soap Co.
Engineer—Wm. Carrigue & Co., Chicago, Ill.
Contractor—Winter Constr. Co., 2141 Sacramento St., San Diego.

Contract Awarded
FACTORY BLDGS. Cost, $2,000,000
EL SEGUNDO, Los Angeles County, El Segundo near Standard Oil Refinery.
Steel and reinforced concrete factory buildings.
Owner—General Chemical Co., New York City.
Engineer and Contractor—J. G. White Engineering Corporation.
A. S. Kelley, construction Superintendent; W. E. Rowley, purchasing agent, and H. B. Gates, resident engineer, are at the Van Nuys Hotel.

Plans Being Prepared.
FACTORY Cost, $200,000
BURBANK, Los Angeles Co., Cal.
Two two and three-story brick and mill constructed soap factory buildings.
Owner—Burbank Development Co.
Lessee—Carbassimo Co.
Architect—H. J. Knauer, 1120 Story Bldg., Los Angeles.

Plans Being Figured.
BAKERY Cost, $——
LOS ANGELES, Cal. No. 232 S-Main Street.
Three-story and basement Class "C" bakery, 50x80.
Owner—Peterman Baking Co.
Architects—Train & Williams, 227 Exchange Bldg., Los Angeles.

Completing Plans. Figures to be Called For in About Three Weeks.
TANK SHOP Cost, $50,000
SOUTH SAN FRANCISCO. (Bay Shore Yards).
One-story frame and corrugated iron tank shop.
Owner—Southern Pacific Company.
Architect—Engineering Dept. (Mr. Christie in charge), S. P. Bldg., 65 Market St., San Francisco.

Plans to be Prepared.
DEPOT Cost, $——
OAKLAND, Alameda Co., Cal. Fourteenth and Webster Streets.
Two-story Class "A" auto stage depot, 50x130.
Owner—Emil Schultze.
Lessee—Western Motor Transportation Company.

Plans Being Prepared.
REFINING BLDG. Cost, $35,000
LOS ANGELES. First Street E of Alameda Street.
One-story Class "A" refining building.
Owner—Los Angeles Soap Co.
Architects—Morgan, Walls & Morgan, 1124 Van Nuys Bldg., Los Angeles.

Contract Awarded.
ALMOND SHELLING PLANT. Cost, $100,000.
SACRAMENTO, Cal. Corner 19th and C Streets.
Four-story reinforced concrete almond shelling plant.
Owner—California Almond Growers' Exchange, 1809 C St., Sacramento.
Architect—Geo. C. Sellon, 1005 8th St., Sacramento.
Contractor—Healy-Tibbitts Constr. Co., 9 Main St., San Francisco.

Contract Awarded.
WAREHOUSE Cost, $54,000 approximately.
SAN FRANCISCO. SE Eleventh and Howard Streets.
One-story and basement Class "C" warehouse.
Owner—Mack Motor Co., 2020 Van Ness Ave., San Francisco.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Wm. Martin, 180 Jessie St., San Francisco.

Contract Awarded.
BRINE TANK Cost, $——
BAKERSFIELD, Kern Co., Cal. 22nd and I Streets.
Reinforced concrete brine tank, roof over condenser and boiler room, new ice plant, etc.
Owner—Kern County Creamery Co.
Architect—T. B. Wiseman, Morgan Bldg., Bakersfield.
Contractor—Currie & Dulgar, Bakersfield.

Plans Being Prepared.
WAREHOUSES Cost, $——
STATES OF OREGON AND WASHINGTON.
One three-story and four one-story tile fruit warehouses, approximately 80 by 100 each.
Owner—The Dan Wuille Co., London, England.
Architects—Sutton & Whitney, Lewis Bldg., Portland, Ore.

Contract Awarded.
FACTORY Cost, $50,000
LODI, San Joaquin Co., Cal.
Concrete and hollow tile grape juice factory.
Owner—Withheld.
Architects and Contractors, Davis, Heller & Pearce, Belding Bldg., Stockton.

## FIREHOUSES AND JAILS.

Plans being figured. Bids close June 7th, 11 A. M.
ADDITIONS Cost, $——
BENICIA, Solano Co, Calif.
Alterations and additions to Benicia Branch County Jail.
Owner—County of Solano.
Architect—Not given.
NOTE:—Plans may be had from G. G. Halliday, County Clerk at Fairfield, Calif.

## FLATS.

Plans Being Prepared.
FRAME FLATS Cost, $12,500 each
SAN FRANCISCO. Funston Avenue, bet. Geary and Clement Streets.
Fourteen 2-story frame flats (7 rooms and garage each).
Owned—E. A. Janssen, Hearst Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

## GOVERNMENT WORK AND SUPPLIES.

YUMA, Arizona.—Bids will be received at the office of the United States Reclamation Service, Yuma, Ariz., until 2 p. m., June 3 for earthwork, first Mesa unit, Yuma auxiliary project, involving about 93,000 cubic yards of excavation. The work is located about eight miles south of Yuma, Ariz., and about four miles east from Somerton, Ariz. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Yuma, Ariz. Morris Bien, acting director.

SEATTLE, Wash.—Bids will be received by the Alaskan Engineering Commission, Bell Street Terminal, up to 2 P. M. May 20th, for furnishing and delivering the following materials under Reqn.-483:

1300 fish plates, 16 bolster spring plates, 50 column posts for car bolster, 30 brake heads and 120 brake shoes for 24" car wheel.

WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer, The Panama Canal, Washington, D. C., up to May 25th, 10:30 A. M. for furnishing and delivering under Circular No. 1366 the following materials, at Cristobal (Atlantic Port) or Balboa (Pacific Port): air compressor, pipe-cutting machine, vertical punching machine, weightometer, woodworker, dipper rack castings, steam ejector, flexible joints, water buckets, brass cuspidors, grindstones, lanterns, oilers, brass screws, copper tacks, builders' hardware, padlocks, file card

brushes, paint brushes, whitewash brushes, leather gloves, ax and hammer handles, snatha, folding rules, wood chair seats, steel tapes, twine, beeswax, candles, binder board, bristol board, manila folders, cover paper, and dynamite.

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WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C. for furnishing and delivering materials—the date of opening bids is neted at end of each paragraph:

Schedule 6080, for eastern and western yards, miscellaneous converter and open hearth brick and cement, opening of June 1.

Schedule 6081, for eastern and western yards, fire brick and cement, opening of June 1.

Schedule 6082, for Mare Island, 8,000 pounds Muntz metal, opening of May 28.

Schedule 6083, for Mare Island, 20,000 yards wool bunting, opening of May 28.

Schedule 6084, f. o. b. works, 2,000 Liberty engine pistons, opening of May 21.

Schedule 6085, for Mare Island, brass and steel machine screws, opening of May 28.

Schedule 6089, f. o. b. works, 1,500 ammunition tanks, opening of May 21.

Schedule 6097, for Mare Island, steel grating, pipe and fittings, opening of May 18.

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WASHINGTON, D. C. The Bureau of Yards and Docks, Navy Department, Washington, D. C. is preparing plans and specifications for the following improvements:

Specification 4186, Puget Sound, steel storage building.

Specification 4188, Mare Island, Calif., electrification of causeway and transfer yard.

Specification 4189, Mare Island, heating system for structural shop.

Specification 4191, San Diego, Calif., laundry equipment.

Specification 4192, San Diego, Calif., bakery equipment.

Specification 4193, San Diego, Calif., refrigerating plant.

Specification 4194, Loiza, P. R., radio buildings, towers, and service connections.

Plans for the above projects are only in a preliminary state. Further mention of same will be made when specifications have been completed.

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PUGET SOUND, Wash.—The following bids were received by the public works office, navy yard, Puget Sound, Wash., April 28, under Bureau of Yards and Docks, specifications 4048 for torpedo and warhead storage at Keyport, Wash.:

Colen, Martin & Wills, $109,913, 208 days.

John H. Dinkes & Co., $121,463.90, 210 days.

John Larson & Co., $128,777, 180 days.

Puget Sound Bridge & Dredging Co., $131,980, 180 days.

Nicholas Fleiness, $135,609, 210 days.

A. W. Quist & Co., $137,365, 180 days.

Chas. H. Careek, $138,354, 210 days.

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PUGET SOUND, Wash.—The following bids were received at the navy yard, Puget Sound, Wash., under specification 4143 May 1 for wood frame dormitory on concrete foundation and power house at radio station, Ketchikan, Alaska:

Item 1, work, complete; 2, deduct for omission of heating system in dormitory.

Brown & Sales, item 1, $23,458; item 2, $1,420; time, 120 days.

Nicholas Fleiniss, (1) $25,748; (2) $1,850; time, 140 days.

Alaska Construction & Engineering Co., (1) $26,220; (2) $2,308; time, 140 days.

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SAN FRANCISCO, Cal.—Bids will be received by the Zone Supply Officer, Fort Mason, up to May 26th for furnishing under Propoaal No. 20314, thirty right and thirty left axle nuts for standard 1-inch, half patent, double collar axle, for handcart, and under Circular No. 20313 for 500 siderails, white enameled, for beds.

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WASHINGTON, D. C.—Bids will be received by the Supervising Architect's Office, Treasury Department, Wash., D. C., up to June 3rd for new toilet rooms for the U. S. Post Office Building at Carson City, Nevada.

## HALLS & SOCIETY BUILDINGS

Commissioned to Prepare Plans.
LODGE BLDG. Cost, $150,000
ANAHEIM, Orange Co., Cal.
Fireproof lodge building, 104x144.
Owner—Elks Lodge of Anaheim.
Architect—Frank K. Benchley, 708 Spadra Road, Fullerton, Cal.

Mr. Benchley has been authorized to secure the services of a ventilating engineer, interior decorator and landscape architect. The building will be Italian villa style. The lodge hall will be 80x85 ft., seating 1000, with hardwood floor. There will be a banquet hall and billiard room in the basement. In addition to club rooms there will be a dormitory with 15 to 20 rooms.

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Contractors Taking Preliminary Sub-Figures.
ADDITION Cost, $250,000
SAN FRANCISCO, N Sutter Street W Mason Street.
Seven-story Class "A" addition to present club building (adjoining).
Owner—Women's Athletic Club, Prem.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

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Plans Being Figured. Bids Close May 17th, 10 A. M.
CLUB BLDG. Cost, $——
BAKERSFIELD, Kern Co., Cal.
Erection of Woman's club building.
Owner—Bakersfield Woman's Club, Bakersfield, Cal.
Designer—Harry W. Michael, Kern County Land Bldg., Bakersfield.

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Contract Awarded.
LODGE & STORE BLDG. Cost, $14,825.
FERNLEY, Nevada.
Fireproof lodge and store building.
Owner—Fernley Lodge, No. 47, I. O. O. F. Fernley, Nevada.
Architect—Stanley C. Flawn, 17 Fordonia Bldg., Reno, Nevada.
Contractor—Broderick & Clock, Reno, Nevada.

Other biddera were. Hugh Reilly, Yerrington, Nevada, $16 800; J. Bernasconi, Reno, $18,200.

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Plana Being Prepared
ALTERATIONS Cost, $10,000
SAN FRANCISCO. Valencia and McCoppin Streets (Knighta fo Phythias Building).
Alter four-story brick and steel building.
Owner—Salvation Army.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

The Salvation Army recently purchased the above property and when alterations are completed, it will be used for the headquarters and training school.

## HOSPITALS.

Figures to be Taken Next Week.
FARM BLDGS., ETC. Cost, $100,000
SAN LEANDRO, Alameda Co., Cal. Infirmary.
Reconstruct farm buildings, erect storage buildings, alter and add to dormitories, etc. (frame construction).
Owner—Alameda County.
Architect—Henry H. Meyers, Kohl Bldg San Francisco.

Figurea will be taken for a general contract.

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Contract to be Signed Shortly.
HOSPITAL BLDG. Cost, $——
ALAMEDA, Cal. Webster Street.
One-story brick and concrete emergency hospital and service building
Owner—Union Iron Works Co., 2308 Webster St., Alameda.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—Jas. H. Pedgrift, 351 12th St., Oakland.

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Figures to be Taken Shortly.
HOSPITAL Coat, $400,000 (Structure Complete).
PORTLAND, Oregon.
Masonry work including bricks, concrete and terra cotta for county hospital.
Owner—County of Multnomah.
Architects—Sutton & Whitney, Lewis Bldg. Portland, Ore.

## HOTELS.

Plans Being Prepared.
ALTERATIONS Cost, $25,000
SAN FRANCISCO. No. 245 Powell St. (Antlers Hotel. Formerly Goodfriend Hotel.)
Extensive alterations to lobby of hotel.
Lessee—L. C. Pranz of Chicago.
Agent—M. L. Rose & Co., Pacific Bldg., San Francisco.
Architects—Fabre & Thayer, 110 Sutter St., San Francisco.

The interior will be re-decorated and painted, etc. The work will be done by days labor under the supervision of Mr. Rose.

## POWER PLANTS.

LOS ANGELES, Cal.—The Southern California Edison Company has been authorized by the State Railroad Commission to issue and sell $5,000,000 bonds to carry on power development. The company estimates its expendi-

tures on hydro electric plants and transmission and distribution lines from March 1 to December 31, 1920, at $8,505,000. The expenditures are summarized as follows: To complete Kern river No. 3 development, $1,985,000; carry on work at Big Creek including third unit at Big Creek No. 2, work on Shaver tunnel and reservoir, Pittman Creek tunnel and on Big Creek No. 8, $2,108,000; complete substation at Vestal (Richgrove), $814,000; complete Greenhorn transmission line from Kern No. 3 to Vestal substation, $531,000; complete change at Eagle Rock for increasing the capacity of that substation, $312,000; install additional steam turbine at Long Beach, $120,000; increases in general transmission and distribution system, $2,535,000.

SUSANVILLE, Lassen Co., Cal.—The Lassen Electric Company has been authorized by the Railroad Commission to make a bond issue of $100,000 to secure funds with which to build a transmission line from Susanville to Westwood, a distance of about 25 miles to carry electric energy the company proposes to purchase from the Red Rived Lumber Company. It is estimated that the line will cost approximately $64,000. The balance of the fund will be used by the Lassen Company to pay off a $19,000 indebtedness.

## PUBLIC BUILDINGS.

Plans Being Figures. Bids Close May 22, 1920, 8 P. M.
AUDITORIUM Cost, $30,000
LINCOLN, Placer Co., Cal.
Hollow tile civic auditorium (one-story with balcony).
Owner—Town of Lincoln.
Architect—Wm. H. Weeks, 75 Post St., San Francisco.

Plans Being Re-Figured. Bids Close June 1, 1920, at 10 A. M.
COURT HOUSE Cost, $150,000
RED BLUFF. Tehama Co., Cal.
Two-story concrete and interlocking tile fireproof County Court House.
Owner—County of Tehama. H. G. Kuhn, County Clerk.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Bids will be taken on three propositions as follows: A general contract; general contract, except the mechanical equipment, and segregated contracts on all parts of the work.
Plans, specifications and bid blanks may be obtained from the office of H. G. Kuhn, County Clerk, at Red Bluff, or the Architect's Office. Deposit of $25 required.

SAN FRANCISCO—Up to June 15th, 12 M., bids will be received by George A. Mullin, Secretary of the Board of Library Trustees, McAllister and Larkin streets, for additions and completion of the book and newspaper stacks in the Main Library Building.

STOCKTON, San Joaquin Co., Cal.—Robert Powell, Sacramento and Lindsay, Stockton has been awarded a contract by the City Council for the installation of toilets and showers at Oak Park, he being low bidder at $5,877, which was $107 under the estimate of City Building Inspector Richard Noall. Other bidders were: Sleeth & Nelson, $6900, and Brandt Bros., $7250.

A. L. Banks is City Clerk.

CARSON CITY, Nevada—The Sellman Construction Co. has been awarded the contract for the construction of the State Heroes Memorial Building in this city from plans prepared by State Architect F. J. DeLongchamps, Gazette Bldg., Reno, Nevada. The Sellman bid was $70,696, which was $2,304 less than the bid of J. Bernasconi.

The contract for the plumbing and heating was awarded to J. A. McDermitt at $7,178. Other bidders were: J. Meyer, $7,400, and Reno Plumbing & Heating Co., $7,370.

The Reno Plumbing & Heating Co. was awarded the contract for installation of oil equipment at $1,075. The only other bidder for this work was J. A. McDermitt at $1,100.

TURLOCK, Stanislaus Co., Cal.—The erection of a new City Hall building in Central Park, estimated to cost $70,000, is planned by the Turlock City Trustees and a committee has been appointed to select an architect to design preliminary drawings.

L. C. Martyn is Chairman of the Committee to make the selection.

SACRAMENTO, Cal.—Working plans for a $60,000 building to be constructed at Pacific Colony, a new home for the feeble minded at Pomona, have been completed by the architect's office of the State Department of Engineering.

In about six weeks the department expects to begin work on a new $25,000 school building which is to be added to the equipment of the California School for Girls at Ventura. Later on in the year the department will build two additional cottages for inmates at this institution, at an estimated cost of about $45,000 each.

Around the first of July the department expects to begin work at the Norwalk State Hospital on a $45,000 brick building to be used as a dining room and as quarters by the officers of this institution. Plans for increasing for a new administration building which will cost about $40,000, and two cottages for patients to be built at a cost of approximately $75,000 each. All the new buildings at Norwalk will be constructed of brick and reinforced concrete.

Most of the work will be done by days labor.

WINNEMUCCA, Nevada.—The county commissioners have authorized the issuance of $25,000 additional courthouse bonds for finishing and furnishing the new courthouse.

Howard S. Williams, of S. F., has the contract for the construction of the building, which is now under way.

Preliminary Plans Prepared.
COMMUNITY CENTER Cost, $15,000
ARBUCKLE, Colusa Co., Calif.
Two-story frame and plaster community center, 75x160.
Owner—City of Arbuckle.
Architect—Francis W. Reid, Ochsner Bldg., Sacramento, Calif.
NOTE:—Funds are being raised by popular subscription by the Arbuckle Chamber of Commerce of which E. E. Wiker is secretary.

Plans Being Prepared.
AUDITORIUM Cost, $30,000
CERES, Stanislaus Co., Cal.
Memorial auditorium.
Owner—Board of Trade of Ceres.
Architects—T. B. Wiseman, Bakersfield and Jas. H. Hoose of Modesto

Plans Being Figured. Bids Close June 14th, 2 P. M.
REPAIRS, ETC. Cost, $——
EUREKA, Eureka Co., Nevada.
Painting and repairing Court House, Jail and Fire House.
Owner—County of Eureka. R. McCharles, Clerk, Eureka, Nevada.
Architect—Not Given.
Plans may be obtained from the office of the Clerk at Eureka, Nevada.

## RESIDENCES.

Figures to be Taken Next Week.
RESIDENCE Cost, $16,000
SAN FRANCISCO. Yerba Buena Ave. St. Francis Wood.
One and one-half-story frame residence (8 rooms and 2 bathrooms).
Owner—Dr. Otis A. Sharpe.
Architect—H. H Gutterson, 278 Post St., San Francisco.
NOTE:—Figures will be taken for a general contract.

Completing Plans. Ready for Figures in One Week.
RESIDENCE Cost, $8,500
SAN FRANCISCO. Westwood Drive.
One-story frame residence and garage (7 rooms).
Owner—Mr. Richards.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.

Plans Being Prepared.
RESIDENCES
Cost, $18,000 and $10,000 each respectively.
SAN FRANCISCO. Sea Cliff.
Five two-story frame residences and garages, also a group of 15 two-story frame residences and garage.
Owner—Allen & Co.
Architect—E. B. Bertz, 68 Post St., San Francisco.
Allen & Company are planning to erect many more high-class residences at Sea Cliff.

Contract Awarded.
RESIDENCE Cost, $300,000
PEBBLE BEACH, Monterey Co., 40 Acres.
Stone and plaster residence, garage, lodge, swimming pool, landscaping, etc.
Owner—James Shewan, New York.
Architect—Chas. I. Berg, New York.
Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.
Sub-figures will be taken in about a month. Work will start immediately on clearing the site.

Plans Complete.
RESIDENCE Cost, $15,000
MODESTO, Stanislaus Co., Cal.
Two-story frame and plaster residence.
Owner—Jas. Schackelford.
Architects—T. B. Wiseman, Bakersfield and Jos. H. Hoose, Modesto.

Contract Awarded.
RESIDENCE Cost, $59,222
PASADENA, Los Angeles Co., Cal. No. 1192 Arden Road.
Two-story hollow tile residence (14 rooms).
Owner—Garfield Jones, 476 Bradford St., Pasadena.
Architect—Not Given.
Contractor—D. Whetstine, 1061 Stevenson St., Pasadena.

Plans Being Figured.
DWELLINGS, ETC. Cost, $——
OAKLAND, Alameda Co., Cal. Havens Court.
Ten two-story frame and plaster dwellings and garages.
Owner—Havens Court Land Co., 1st National Bank Bldg., Oakland.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Figures are being taken for a general contract.

May 10, 1920.

Ready for Figures Next Week.
RESIDENCE COST, $16,000
SAN FRANCISCO. St. Francis Blvd.
Two-story frame and plaster residence (9 rooms and 3 bathrooms, separate garage).
Owner—Dr. Wallace Smith, Stanford Court Apartments.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Contract Awarded.
DWELLING Cost, $22,966
PIEDMONT, Alameda Co., Cal. S Lincoln Avenue 182 W Crocker Ave.
Two-story attic and basement frame dwelling and garage.
Owner—A. D. King, 348 Vernon St., Oakland.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Alfred Peterson, 3918 Lynwood Ave., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $7,000
SAN FRANCISCO. Northwood Drive.
One-story frame and plaster residence and garage (6 rooms).
Owner—H. J. Hansen & Co.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

Plans Being Figured. Bids Close May 25th.
RESIDENCE Cost, $25,000
MARYSVILLE, Yuba Co., Cal.
Two-story frame and stucco residence.
Owner—Patrick Guerin, Marysville.
Architect—Chester Cole, Chico, Cal.

Plans Being Figured.
RESIDENCE Cost, $——
ATHENA, Oregon.
Two-story and basement hollow tile and stucco residence, 31x73 (10 rooms, sleeping porches, etc.)
Owner—M. L. Watts.
Architect—Raymond W. Hatch, Pendleton, Oregon.

Plans Being Prepared.
RESIDENCE Cost, $——
BURLINGAME, San Mateo Co., Cal.
One-story frame residence (6 rooms.)
Owner—Ernest Norberg.
Architect—Capt. Ernest Norberg, 742 Market St., San Francisco.

## SCHOOLS.

Plans Being Prepared.
SCHOOL Cost, $——
SUSANVILLE, Lassen Co., Cal.
Two-story and basement frame and brick veneer grammar school (8 rooms).
Owner—Town of Susanville.
Architect—John Galen Howard, 1st National Bank Bldg., San Francisco.

Plans Being Figured. Bids Close June 3rd, 12 M.
SCHOOL Cost, $——
SANTA MARGARITA, San Luis Obispo Co., Cal.
Construction of school building.
Owner—Santa Margarita School District. J. C. Prewhitt, Clerk, San Margarita, Cal.
Architect—Not Given.
Certified check of $500 required.
Plans may be had from Home Builders' Service Bureau, Atascadero, Cal.

Plans Being Prepared. Bonds Voted.
SCHOOL Cost, $120,000
COURTLAND, Sacramento Co., Cal.
Two-story and basement reinforced concrete and hollow tile high school (10 rooms, auditorium, gymnasium, cafeteria and manual training).
Owner—Courtland High School District.
Architect—F. A. S. Foale, Ochsner Bldg., Sacramento.
NOTE:—The frame will be of reinforced concrete with hollow tile walls, concrete inclines will be used instead of stairways and roof will be of clay tile.
Figures will be called for in two or three months.

Plans Being Prepared.
SCHOOL Cost, $35,000
SAN FRANCISCO, NW Clay and Stockton Streets.
Three-story brick Chinese school building (addition and reconstruction to present building on property.)
Owner—The Paulist Fathers.
Architect—Chas. E. Gottschalk, Phelan Bldg., San Francisco.

Figures Being Taken.
SCHOOL Cost, $10,000
MONTPELLIER, Stanislaus Co., Cal.
One-story one-room hollow tile school.
Owner—Montpellier School District.
Architects—Davis, Heller & Pearce, Belding Bldg., Stockton.
NOTE:—Plans may be obtained from the architect's office.

Contract Awarded.
GYMNASIUM Cost, $29,890
GONZALES, Monterey Co., Cal.
One-story frame and plaster gymnasium.
Owner—Gonzales High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—Daniel Wagner, Call Bldg., San Francisco.
The following bids were received May 12th:
R. W. Moller, San Francisco (1) $30,300; (2) $1,120 (add.)
J. H. Danforth (1) $35,700; (2) $36,800.
Daniel Wagner (1) $29,890; (2) $1,400 (add about).

Plans Complete.
SCHOOL Cost, $——
MADERA, Madera Co., Cal.
Brick school (14 rooms and an auditorium).
Owner—Madera School District.
Architects—T. B. Wiseman of Bakersfield and Walter Parker, 234 Pine St., San Francisco, Associated.

Completing Plans.
SCHOOL Cost, $63,500
EMPIRE, Stanislaus Co., Cal
Brick school (6 rooms, auditorium, teachers' room and library).
Owner—Empire School District.
Architects—T. B. Wiseman, Bakersfield and Jas. H. Hoose of Modesto.
Bonds have been voted.

Plans Complete. Bonds Voted.
SCHOOL Cost, $100,000
FELLOWS, Kern Co., Cal.
New brick school (4 classrooms and manual training room), also for re-plumbing the old building, for adding four rooms to the "teacherage," and for cottages for the principal and janitor.
Owner—Midway School District.
Architects—T. B. Wiseman and Chas. Beggar, Associated, Bakersfield.

Bonds Voted. Bids to be Called Shortly
SCHOOL
Cost, Bonds of $20,000 voted.
CLAREMONT, Fresno Co., Cal.
Grammar School Building.
Owner—Claremont School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno, Cal.

Plans Being Prepared. Bond Election to be Held About June 1st.
SCHOOL, ETC. Cost, $200,000
LINDSAY, Tulare Co., Cal.
Fireproof high school building, gymnasium, auditorium, swimming pool, etc.
Owner—Lindsay High School District.
Architect—Ernest J. Kump, Rowell Bldg., Fresno, Cal.

Bids Close May 29, 1920, 5 P. M.
SCHOOL BLDGS. Cost, $34,400
TRACY, San Joaquin Co., Cal. SW Central Avenue and Eleventh St.
Two one-story grammar school buildings (one brick construction and one hollow tile).
Owner—Tracy Grammar School District, J. H. Von Sosten, Clerk, Tracy, Cal.
Architect—W. J. Wright, Bank of Italy Bldg., Stockton, Cal.
Plans and specifications may be obtained at the office of the Architect.

Plans Being Completed.
GYMNASIUM Cost, Bet. $20,000 and $25,000.
FORTUNA, Humboldt Co., Cal.
One-story frame gymnasium.
Owner—Fortuna High School District, C. W. Hoffman, Principal.
Architect—Frank T. Georgeson, Fourth and E Sts., Eureka, Cal.

Plans Being Prepared.
ADDITION Cost, $112,000
VISALIA, Tulare Co., Cal.
Brick additions to high school group (gymnasium, and additions to shop, chemistry, domestic science and cafeteria buildings.)
Owner—Visalia High School District.
Architects—Davis, Heller & Pearce, Belding Bldg., Stockton.

SACRAMENTO, Cal.—E. C. Hemmings and Jens C. Petersen, associate architects, and George D. Hudnutt, associate engineer, have purchased the first $84,000 worth of new elementary school bonds. These men were selected as an architectural commission to plan and superintend the construction of Sacramento's fourteen new school buildings.

Jas. S Dean, Assistant State Architect, will assume the duties of chief

draftsman on June 1.

Hemmings has agreed to act as chairman for the group and assume charge of plans and layouts.

Petersen is to take charge of specifications on construction, contracts and the receiving of bids. Hudnutt will take charge of the mechanical and structural engineering and estimates of cost.

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Plans Being Prepared.
SCHOOL Cost, $8,000
NAPA COUNTY. Soskal School District near Napa.
One-story 1-room frame and plaster school building.
Owner—Soskal School District.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.

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Plans Being Figured. Bids Close May 28th.
SCHOOL Cost, $15,000
PARADISE, Butte Co., Cal.
One-story and basement 4-room school building.
Owner—Paradise School District.
Architect—A. J. Bryan, Chico, Cal.
Plans may be obtained from the architect at Chico.

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BERKELEY, Alameda Co., Cal.—The following bids were received on April 28th by the Berkeley Board of Education for the construction of the Lincoln School on the block bounded by Prince, King, Ashby and Ellis.

Plans were prepared by Architect W. H. Ratcliff Jr., 1st National Bank Bldg., Berkeley, and call for a two-story brick and concrete structure to contain 23 rooms and an auditorium.

Bids were taken under advisement.

**Excavation and Grading.**
K. E. Parker Co., San Francisco. $11,100

**Concrete Work.**
Jepson Bros. ..... $27,195
K. E. Parker Co., S. F. ..... 20,200

**Carpenter Work.**
C. Christensen & Son ..... $72,950
C. D. Vezey ..... 69,700
Connor & Connor ..... 76,450
Walter Sorenson ..... 70,335
M. Morton ..... 69,247

**Brick Work.**
M. T. Bond ..... $54,000
M. McGowan ..... 66,440
White & Gloor ..... 59,640
Mealey & Collins ..... 62,770

**Structural Iron Works.**
Golden Gate Iron Works ..... $10,485
Schrader Iron Works ..... 11,972
Jensen ..... 11,594
Mealey & Collins ..... 52,770

**Lathing and Plastering.**
Wm. Makin (1) $13,190; (2) $1,090 deduct; (3) $2,777 add.
Geo. Dixon, (1) $13,489; (2) $1000 deduct; (3) $2,750 add.
Jas Smith (1) $13,535; (2) $850 deduct; (3) $3,600 add.
T. Sexton (1) $11,576; (2) $850 deduct; (3) $3500 add.
J. Greenback (1) $12,425; (2) $550 deduct; (3) $1,125 add.

**Roofing and Sheet Metal Work.**
Walter Mork ..... $5,512
H. C. Brown ..... 5,521
Heidt Cornice Works ..... 4,249
Forderer Corince Works ..... 4,295

**Plumbing.**
Thos. Cotton, Berkeley ..... $10,314
Scott & Co., Oakland ..... 9,988
Carl T. Doell, Oakland ..... 11,330

**Electrical Work.**
Spencer Electric Co. ..... $6,500
Berkeley Electric Co. ..... 6,980
Capitol Electric Co. ..... 6,560

**Painting.**
Burden & Kirkhouse ..... $4,950
T. Kissell, San Francisco ..... 5,400
R. Zelinsky, San Francisco ..... 4,565
D. Zelinsky, San Francisco ..... 4,725
A. Quartz & Son ..... 4,685

**Shades.**
W. & J. Sloane, S. F. ..... $857.25
Paul Swedburg, Berkeley ..... 644.20

**Heating.**
K. Nottingham ..... $8,666.66
Scott Co. ..... 7,697.00
Carl T. Doell ..... 9,965.00
Bay Engineering Co. ..... 9,671.00

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SAN FRANCISCO.—A petition has been received by the Board of Supervisors urging the erection of a new school building, Andrew Jackson School, to be erected on school property at Hayes street and Van Ness avenue.

The petition has been referred to the Finance Committe for report.

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Plans Being Figured. Bids Close May 27th, 4 P. M.
SCHOOL Cost, $——
SALINAS, Monterey Co., Cal.
Completion of high school building and separate bids for program clocks, lockers, electrical fixtures, furniture, stage curtains, and scenery, cafeteria equipment and sidewalks.
Owner—Salinas Union High School District, E. L. Van Dellen, Clerk, Salinas, Cal.
Architect—Ralph Wyckoff, Salinas & Pajaro Valley National Bank Bldg. Watsonville, Cal.
Deposit of $20 required for plans. Certified check for 5% payable to Clerk of District must accompany each bid.

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Plans to be Prepared.
ALTERATIONS Cost, $45,000
SALINAS, Monterey Co., Cal.
Alter 2 grammar school buildings (install heating system and sanitary system.)
Owner—Salinas Grammar School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

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In reporting the bids for the Lincoln School of Berkeley the bid of Mealey & Collins for the brick work should have read $52,770, instead of $62,770; which makes them the lowest bidder. Also the bid of M. McGowan should have read $56,440 instead of $66,440.

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BERKELEY, Cal.—The following bids were received May 15th by the Berkeley Board of Education for the construction of the Garfield School on Rose and Grand streets.

Plans were prepared by Architect Wm. Hays, and call for a one and two story brick structure to contain 22 classrooms, auditorium, manual training, domestic science rooms, etc.

The alternate bids are for omitting the auditorium completely and omitting the interior finish of the auditorium. (1) Building complete; (2) omitting auditorium completely, and (3) omitting interior finish of auditorium.

**Excavating and Grading.**
Mr. Green $4,480; (1) $550.

**Concrete Work.**
Barrett & Hilp (1) $47,780; (2) $20,957; (3) $1,500.

**Masonry**
M. McGowan (1) $33,400; (2) $1,840. (3) $5,900.
Mealey & Collins (1) $32,650; (2) $850 (3) $4,240.
White & Gloor (1) $36,950; (2) $1,600; (3) $1,200.
Beckwith (1) $31,700; (2) $1,100; (3) $1,200.

**Structural Iron Work.**
Judson Mfg. Co. (1) $7,596; (2) $3,080.
Schrader Iron Works (1) $7,850; (2) $5,725.
Golden Gate Iron Works (1) $9,165; (2) $3,821.

**Carpentry.**
C. D. Vezey (1) $93,848; (2) $16,000; (3) $8,000.
Connor & Connor (1) $85,767; (2) $11,745; (3) $4,664.
Chas. Stockholm & Son (1) $96,597; (2) $13,738; (3) $6,669.
Mathew Morton (1) $95,887; (2) $7,500; (3) $3,500.

**Heating.**
Bay Engineering Co. (1) $17,480; (2) $4,916.
Scott Co. (1) $17,487; (2) $6,000.
Turner & Co. (1) $19,880; (2) $7,480.
K. Nottingham (1) $17,933; (2) $6,466
Carl T. Doell (1) $15,860; (2) $5,161.

**Lathing and Plastering.**
A. Knowles (1) $26,425; (2) $6,000; (3) $3,000.
J. Greenback (1) $24,625; (2) $6,900; (3) $——.
Geo. Dixson (1) $24,500; (2) $8,000; (3) $——.
P. Bradley (1) $32,900; (2) $11,000; (3) $7,300.
Wm. Makin (1) $26,790; (2) $6,892; (3) $3,893.

**Ornamental Iron Work.**
Pacific Coast Iron & Wire Co. (1) $1,760; (2) $776; (3) $280.
Federal Ornamental Iron & Bronze Co. (1) $2,660; (2) $1,100; (3) $380.
West Coast Wire & Iron Co. (1) $3,272; (2) $315; (3) $——.

**Electrical Work.**
White Electric Co. (1) $11,462; (2) $1,573.
Bradshaw Electric Co. (1) $10,305; (2) $650.
Capitol Elec. Co. (1) $11,645; (2) $1,130.
Berkeley Electric Co. (1) $10,178; (2) $1,000.
Globe Electric Co. (1) $6,544; (2) $933.
Turner Elec. Co. (1) $11,420; (2) $1,386.
Butte Elec. Eq. Co. (1) $9,990; (2) $625.
Butte Electric Mfg. Co. (1) $10,378; (2) $1,640.

**Plumbing.**
E. Ehret (1) $12,175; (2) $——; (3) $320.
Scott Co. (1) $10,781; (2) $1,518; (3) $——.
Turner Co. (1) $12,080; (2) $1,680; (3) $——.
F. W. Snook Co. (1) $10,448; (2) $1,462; (3) $143.
Carl T. Doell (1) $12,789; (2) $731; (3) $——.
Thos. Cotton (1) $10,399; (2) $1,405; (3) $200.

**Painting.**
Burden & Burkhouse (1) $5,150; (2) $850; (3) $450.
A. Quandt & Son (1) $6,535; (2) $928; (3) $395.
I. Kissell (1) $9,353; (2) $1,000; (3) $150.
D. Zelinsky (1) $7,225; (2) $885; (3) $425.

R. Zelinsky (1) $7,047; (2) $962; (3) $662.

**Shades.**

W. & J. Sloane (1) $1,400; (2) $156; (3) $30.

P. Swedberg (1) $1,982; (2) $——; (3) $——.

D. N. & E. Walter & Co. (1) $1,136; (2) $129; (3) $116.

**Lockers**

C. Weber Co.....$11,652.15
Berger Mfg. Co..... 10,166.00

**Linoleum.**

W. & J. Sloane (1) $2,956.20;(2) $——

D. N. & E. Walter & Co. (1) $3,564; (2) $53.

**Sheet Metal Work.**

Walter Mork (1) $3,718; (2) $491; (3) $135.

**Roofing.**

A. K. Goodmundson (1) $6,980; (2) $1,150.

H Brown (1) $5,227; (2) $675.

Western Rfg. Co. (1) $5,478; (2) $550.

J. Bender (1) $6,147; (2) $765.

Pacific Roofing Co. (1) $5,607; (2) $925; (3) $350.

## STORES AND OFFICES.

Contract Awarded.
AUTO SALES BLDG. Cost, $——
SAN FRANCISCO. N Bush 45 W Franklin Street.
One-story brick auto sales building.
Owner—J. A. Cussen.
Architect—Not Given.
Contractor—W. A. McKee, 3328 24th St., San Francisco.
The present buildings on the site will be torn down as soon as the tenants vacate.

Plans Being Figured.
ADDITION. Cost, $——
SAN FRANCISCO. NE California and Leidesdorff Streets.
Six-story Class "A" addition to one-story office building.
Owner—Liverpool & London & Globe Insurance Co., Ltd.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
Figures are being taken for a general contract.

Contract Awarded.
OFFICE BLDG. Cost, $90,000
LOS ANGELES, Cal. No. 636-4 South Spring Street.
One-story Class "A" office building.
Owner—Wm. R. Staats Co.
Architect—John Parkinson, 420 Title Insurance Bldg., Los Angeles.
Contractor—National Fireproofing Co., 768 Pacific Electric Bldg., Los Angeles.

Plans Ready for Figures Next Week.
STORE AND OFFICE BLDG. Cost, $10,000.
SANTA ROSA, Sonoma Co., Cal.
One-story reinforced concrete store and office building.
Owner—Pacific Gas & Electric Co.
Architect—J. W. Dolliver, Rm. 418, 110 Sutter St., San Francisco.

Contract Awarded. Sub-Figures to be Taken in June.
OFFICE BLDG. Cost, $4,000,000 approximately.
SAN FRANCISCO. SW Bush and Sansome Streets.
Twenty-story and basement Class "A" office building.
Owner—Standard Oil Co
Architect—Geo. Wm. Kelham, Sharon Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

Plans Being Prepared.
ALTERATIONS Cost, $100,000
SAN FRANCISCO. W Powell bet. Eddy and Ellia Streets.
Extensive alterations for candy store.
Owner—Ackerman & Harris Candy Syndicate, San Francisco.
Architect—Alfred Kuhn, 833 Market St., San Francisco.
The same syndicate has also leased a store at 7th and Broadway, Los Angeles, and one in Fresno, and will shortly select another location in San Francisco.

## THEATRES.

Plans Being Prepared.
THEATRE Cost, $75,000
ANAHEIM, Orange Co., Cal.
Two-story brick moving picture theatre ,54x140 (1100 seats).
Owner—Head & Ingram.
Architect—E. J. Borgameyer, 114 Stimson Bldg., Los Angeles.

Plans Being Prepared.
THEATRE, ETC. Cost, $70,000
STOCKTON, San Joaquin Co., Cal.
Three-story Class "C" motion picture theatre and lodge building.
Owner—I. O. O. F.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Site Selected. Plans to be Rushed to Completion.
THEATRE Cost, $1,000,000
SAN FRANCISCO, NW Taylor and Golden Gate 137-6.
Class "A" Junior Orpheum Theatre Building.
Owner—Orpheum Theatré.
Architect G. Albert Lansburgh, 709 Mission St., San Francisco.

Plans Being Prepared. Site Purchased.
THEATRE, ETC. Cost, $60,000
CHICO, Butte Co., Cal. Third and Normal Avenue.
Three-story fireproof theatre, stores and lodge rooms (Site 88 ft. sq.)
Owner—Woodmen of The World, Chico Lodge, Chico, Cal.
Architect—Chester Cole, Chico, Cal.

Plans Being Figured.
ALTERATIONS Cost, $50,000
SOUTH BERKELEY, Alameda Co., Cal. Adeline Street (Lorin Theatre).
Extensive alterations and additions to brick and concrete motion picture theatre.
Owner—Beach & Krahn Amusement Company.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
NOTE:—Figures are being taken from three selected contractors as follows: C. Texdahl, Walter Sorensen and H. McCullough, all of Berkeley.

### PORTABLE SCHOOLS FOR PITTSBURG

PITSBURG, Cal.—Owing to crowded conditions in the present schools the City School Board has decided to sell property in Block 81, to secure funds with which to purchase and erect two portable school buildings in the city park.

# Engineering.

## BRIDGES, DAMS & HARBOR WORK.

Plans Being Figured. Bids Close May 24th, 8 P. M.
REPAIR PIER Cost, $25,000 available for construction.
REDONDO BEACH, Los Angeles Co., Calif.
Repairing reinforced concrete municipal pier destroyed by storm in 1919.
Owner—City of Redondo Beach. Harry Polglase, City Clerk.
Consulting Engineers—Leeds & Barnard, Central Bldg., Los Angeles.
Bids will be taken on three propositions, for all and part of the work and a unit price per lin. ft. for extending such of the existing piles as may be directed by the engineers. Work is to be completed in 120 calendar days.

HANFORD, Kings Co., Cal.—At the last meeting of the Kings County Supervisors the Board of Trustees of Tulare Lake Reclamation District No. 749, presented plans, specifications and estimates for reclamation works costing $133,751, which were approved.

R. Mills is President and Leon J. Israel is Secretary of the District.

### PIPE AND FITTING BIDS WANTED.

PRESCOTT, Ariz.—Until 7:30 p. m., May 24, bids will be received by City Clerk J. H. Robinson for cast iron pipe and fittings and supplies and tools in accordance with lists which may be obtained on application.

PHOENIX, Ariz.—Plans for two dams in the Verde river for the Paradise-Verde irrigation project are now in the hands of the Secretary of the Interior for consideration, according to A. L. Harris, consulting engineer of Los Angeles, who has made preliminary surveys. Mr. Harris recommends dams at the Horseshoe dam site and at Camp Verde, both in Yavapai Co.

SALT LAKE CITY, Utah.—Until 10 A. M., May 25, bids will be received by the commissioners of Salt Lake, Utah, for the construction of the memorial bridge, approximately 840 ft. long and 188 ft. high, across Parley's canyon on the Wasatch-Bonneville highway, near Salt Lake City. The bridge will be built of steel on reinforced concrete as determined on consideration of the bids. Plans and specifications may be obtained from the county surveyor on deposit of $5.

VISALIA, Tulare Co., Cal.—The contract for the construction of Bridge No. 47 has been awarded by the County Supervisors to Nate Lovelace at $26,804. The county engineer's estimate was $25,289. Bids were also submitted by the C. F. K. Angle Company of Dos Palos and the C. N. Construction Company of Visalia.

The bridge will be built over the the Kaweah river connecting the new highway to be constructed between Woodlake and Lemon Cove.

L. A Moye is County Engineer

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
281 Howard St. San Francisco

RED BLUFF, Cal.—According to engineers working on the Iron Canyon dam project, the selected site the latter part of last week permits of the construction of a dam 157 feet high and one mile long.

The height is five feet over that proposed at the upper site.

Engineers state that the main part of the dam would be of masonry construction. The material to be e in building the two wings has not been recommended. It will probably be of different material, as the wings will not bear the full force of the water.

The site as announced Saturday is at the lower end of the Iron Canyon, at a point five miles upstream from Red Bluff.

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EUREKA, Humboldt Co., Cal.—Bids received by the County Supervisors, Fred M. Kay, County Clerk, for the construction of bridges in various sections of the county have been taken under advisement owing to their being above the estimate of the County Engineer. For four small wooden bridges across gulches with one cable suspension bridge across the North Fork of Mad River on the Lord Ellis road, the latter with a sixteen foot roadway, Padgett and Kelly bid $41,471. For the wooden bridges and a cable bridge with a twelve foot roadway a bid of $40,072 was offered. For similar combinations Englehart Paving company gave bids of $39,300 and $37,800 respectively.

For bridges at Mill Ford and Shields Ford on the Mattole river the Mercer Fraser Construction Company and Padgett and Kelly were the bidders. For two cable suspension bridges the bid by Fraser was $67,208 and for a cable bridge at the Shields Ford and a concrete bridge at Mill Ford the bid was $67,150.

Kelly bid $27,600 for a concrete bridge at Mill Ford and $32,900 for a cable bridge at the same place. For a cable bridge at Shields Ford they bid $41,830.

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SANTA ROSA, Sonoma Co., Cal.—The County Supervisors, Lloyd Aldrich, Highway Engineer, has accepted the bid of D. E. Albers for the construction of two reinforced concrete bridges over Green Valley Creek on the Graton-Occidental for $9,700. One bridge is to be forty feet long and the other sixty feet with twenty-foot roadways.

The only other bidder was the Call Construction Co., of San Francisco, at $10,414. W. W. Felt, Jr., is County

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STOCKTON, San Joaquin Co., Cal.—The City Council, A. L. Banks, City Clerk, has approved specifications for laying out tennis courts at Oak Park.

## IRRIGATION PROJECTS.

MODESTO, Stanislaus Co., Cal.—Preliminary steps toward formation of the West Stanislaus Irrigation District, comprising about 36,000 acres of land lying west of the San Joaquin river, extending as far south as Gustine, Merced county, were taken here, when the Stanislaus Board of Supervisors approved a petition of a large number of ranchers in the proposed district and set August 9, 1920, as a date for final hearing.

Attorneys Dennett & Zion, 1008 I St., Modesto, are handling the legal affairs for the district.

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ANDERSON, Shasta Co., Cal.—Bonds of $200,000 were voted at a recent election in the Anderson-Cottonwood Irrigation District. Proceeds of the sale of the bonds will finance construction of improvements in the district.

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SAN JOAQUIN, Fresno Co., Cal.—Up to May 27th, 10 A. M., bids will be received by Clara M. Crooker, Secretary of the James Irrigation District, San Joaquin, for the construction of uncompleted portions of laterals I, J, K and BN.

Laterals A, B, L, M, O, P, Q, BA, BB, BC, BD, BE, BF, BG, BH, BJ, BK, and BL.

Fourteen siphons under Carmichael Slough and under Main Drain Ditch.

Sixty-seven checks in laterals.

One hundred thirty-nine turnouts in laterals.

Twenty-two head-gates in main canals.

Four checks in main canal.

Laterals are earthern irrigation ditches and will require the removal of about 198,000 cubic yards of earth; siphons will require about 210 cubic yards of reinforced concrete; 67 checks will require about 400 cubic yards of reinforced concrete; 139 turnouts will require about 700 cubic yards of concrete; 22 head-gates will require about 352 cubic yards reinforced concrete; four checks will require about 80 cubic yards of reinforced concrete.

H. M. Crocker, San Joaquin, Cal., is Resident Engineer for the District.

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EL CENTRO, Imperial Co., Cal.—Until 10 A. M., May 29, bids will be received by directors of Imperial Irrigation District at El Centro for excavating a by-pass 800 ft long parallel to and on west side of West Side main opposite wastegate structure at drain ditch 3 miles south of Dixieland. Average depth of excavation 5 ft., bottom 30 ft. wide and slopes 2:1; approximate yardage 5600 cu. yds. Excavated material will be used for levees. F. H. McIver, Secretary.

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SUSANVILLE, Lassen Co., Cal.—A favorable report has been submitted to the Lassen County Supervisors by State Engineer W. F. McClure on the Bly-Eagle irrigation project.

## LIGHTING SYSTEMS.

TRACY, San Joaquin Co., Cal.—The Council has instructed the City Engineer to prepare plans for an electrolier system.

It is planned to install the system under the Improvement Act of 1911, which provides for the formation of lighting districts, the work to be paid for on a front footage basis as is done on street work.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

SACRAMENTO, Cal.—The McGillivray Construction Co., of Sacramento, has been awarded the contract to improve Thirteenth street from R to X streets, by grading and construction of an asphaltic concrete pavement 5½ inches thick. Work under Improvement Bond Act of 1915.

M. J. Desmond is City Clerk.

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LOS ANGELES, Cal.—The city council has instituted proceedings for the construction of a new main sewer in Seventh and Broadway, estimated to cost $400,000. It will be 24-in. cement pipe sewer laid at a depth of 24 ft. The sewer will extend from Maple Ave. in Seventh St. to Broadway and north in Broadway to Fourth with a branch in Sixth St. to Grand Ave. It is expected construction work will be started about the middle of August.

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SANTA MONICA, Los Angeles Co., Cal.—Braun, Bryant & Austin, Inc., of Santa Monica, were awarded the contract at $25,000.31 for the improvement of Fourth St. between Pico Blvd. and Colorado Ave., involving 82,423 sq. ft. grading at 2.4c ft.; 82,423 sq. ft. sheet asphalt pavement on 5-in. concrete base at 26.7c ft.; 38 sq. ft. cement sidewalk at 19.5c ft.; 259 lin. ft. curb at 59c ft.; storm drains complete, $898; bringing three manholes to grade, $5 each, and vitrified pipe house connecting sewer at $32. John A. Morton, city engineer.

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BAKERSFIELD, Kern Co., Cal.—The City Council, V. Van Riper, City Clerk, has passed resolution of intention No. 382 providing for the improvement of Fremont street from Sonora street, west to Miller street by grading and tamping and surfacing with oil and rock screenings.

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FRESNO, Fresno Co., Cal.—Under a decision rendered by Judge D. A. Cashin, the legal attack directed against the contract for the White's bridge road improvement is not sustained, the court directing judgement for the county and the contractor,

Blanchard, Crocker & Howell, in a suit brought by J. E. Baker.

The decision removes the only legal obstacle pending on any part of the county highway construction, although rumors of a possible new suit are talked of.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention No. 20204 providing for the improvement of East Twenty-second street, from 25th avenue to Mitchell street; Resolution No. 20200 for the improvement of Twentieth street from 25 th avenue to the intersection of 20th street and Foothill Boivd., and Resolution No. 20202 for improvement of E-Twenty-first street from 25th avenue to Mitchell by grading, constructing redwood curbs, concrete gutters, cement sidewalks and paved with oil macadam.

TUCSON, Ariz.—Littlejohn & Singleton, Tucson, were awarded the contract for surfacing the Casa Grande road, 28 miles in length with gravel. George Faucett was awarded the contract for the grading and P. Correll the contract for constructing reinforced concrete bridges and corrugated iron culverts. Pacific Coast Steel Co. of Los Angeles, was awarded the contract for furnishing 294,000 lbs. deformed reinforcing steel bars, 3/8 to 1 1/2-in. f. o. b. Tucson, at $5.315 base. Other bids for steel were submitted by Tuscon Steel Co., El Paso Texas.; W. J. Corbett Hardware Co., Tucson, Ariz.; Darbyshire-Harvie Iron & Machine Co., El Paso; Albert Steinfeld & Co., Tucson; Kyle & Co., San Francisco; Gunn, Carle & Co., San Francisco; Concrete Steel Co., Omaha, Neb.

SAN LUIS OBISPO, S. L. O. Co., Cal.—Bids will be received by the County Supervisors, F. J. Rodriguez, County Clerk, up to June 7th, 2 P. M. for the construction of eleven miles **concrete** pavement from City limits of City of San Luis Obispo to the Cienega Road House, near Morro; up to June 8th, 10 A. M. for ten miles **concrete** pavement from Town of Santa Margarita to Salinas River and for about one mile **concrete** pavement in the town of Atascadero. Warren B. Burch is County Highway Engineer.

CARSON CITY, Nevada.—The Nevada State Highway Commission, C. C. Cottrell, Chief Engineer, has awarded a contract to the Pitt Taylor Syndicate, Lovelock, Nevada, at $107,632.67 for the construction of the state highway from Washoe Summit to Bowers Mansion in Washoe County, bids for which were opened April 26th.

At $135,821.72 the contract for the construction of the Washoe County State Highway from Washoe Summit to one mile south of Huffakers was awarded to the Pacific States Construction Co., Call Building, San Francisco. Bids for this work were opened May 3rd.

YUBA CITY, Sutter Co., Cal.—The County Supervisors, Albert B. Brown, Clerk, has instructed the County Highway Engineer to proceed with plans and specifications for a macadam and asphalt road from Nicolaus east to Trowbridge and south to the Sacramento line and also for two and one-half miles of road south from Nicolaus.

Plans are also called for to continue the concrete road south from Oswald to join on the present contract awarded to the Federal Construction Co. This is the Yuba City-Nicolaus road and it is proposed to build it as far as the funds will allow.

OAKLAND, Cal.—The City Council has approved plans and specifications for the improvement of Twentieth, Twenty-first and Twenty-second streets between Twenty-fifth avenue and Mitchell street.

SACRAMENTO, Cal.—All bids for paving the State Highway between Red Bluff and the northerly boundary of Tehama County, a distance of almost fourteen miles, and a Shasta County unit of more than fifteen miles between Redding and the southerly county boundary, have been ordered rejected by the State Highway Commission on the ground of the proposals being extensive.

The only bid received on the proposed Tehama County work was one submitted by Guy F. Atkinson of Portland, Ore., amounting to $216,125, as compared to the engineer's estimate of $139,600.

The lowest bid on the Shasta job was $296,726, while the engineer's estimate was $246,400.50.

SAN LEANDRO, Alameda Co., Cal.—A. Perry submitted the lowest bid to the City Trustees for macadamizing Alvarado street at $7,785.11. The only other bidder was M. A. Lopes at $8,502.51.

The bid of Perry was not signed and it is probable that it will be rejected.

PHOENIX, Ariz.—J. D. Twohy, vice-president of the Twohy Construction Co. of Seattle, Wash., awarded the contract for constructing 278 miles of concrete highway for Maricopa Co. under the $4,000,000 bond issue, states that a rock crushing plant with a capacity of 1000 cu. yds. per day, or more than 33 carloads, will be erected at Tempe at a cost of $100,000. James F. Horan is engineer for the Twohy company. All bids for materials received by the highway commission were rejected.

MANTECA, Cal.—P. Montague has brought suit against the City of Manteca and the city trustees of that place, praying $2804.30 judgment for labor performed during the past two years in sewer construction work in Manteca.

Montague claims he contracted to install a sewer system for $2804.30 and that payment has been refused.

YUBA CITY, Sutter Co., Cal.—Up to May 22nd, 10 A. M. bids will be received by Albert B. Brown, Clerk of the Board of Supervisors, for the following unit of the County Highway System:

A portion of the Live Oak-Pennington Road between Live Oak and Sheep Camp, Sutter County Highway System, about five and one-half miles in length to be paved with Asphaltic Macadam 15 feet wide and 4 inches thick.

COUNTY ENGINEER'S ESTIMATE.

**Item 1. 2,700 cubic yards of Embankment.**

**Item 2. 7,300 tons Crushed Rock Base Course.**

**Item 3. 48,200 square yards Asphaltic Wearing Surface. Estimated cost $8,000 per mile.**

NOTE:—The County will furnish crushed rock for Base Course.

On the same date bids will be considered for furnishing 7,300 tons of crushed rock to be used in connection with the above work.

Plans may be had from the office of the County Engineer on deposit of $10.00.

SAN FRANCISCO.—Up to May 19th bids will be received by the Board of Public Works for the improvement of De Long street between Lehig and Orizaba streets and Porter street from Crescent avenue southerly.

On the same date the Board will consider bids for the construction of a sanitary sewer in Canal street from Mission street easterly, the estimated cost of which is $5,000.

Plans may be had from the City Engineer's Office, 3rd Floor, City Hall.

SAN FRANCISCO.—On recommendation of M. M. O'Shaughnessy, City Engineer, the Board of Public Works have rejected bids received for furnishing and delivering slide gates under Contract No. 67, Hetch Hetchy project. Two bids were received as follows:

| | |
|---|---|
| Joshua Hendy Iron Works | $209.973 |
| Coffin Valve Co. | 203.500 |

Gates will be 33 by 42 inches and will be used in the outlet system for the huge dam now under construction.

Plans may be had from the City Engineer's Office, 3rd Floor, City Hall.

SACRAMENTO, Cal.—The State Highway Commission has notified the Tehama County Supervisors that bids for the construction of the state highway from Red Bluff to Los Molinas, a distance of fourteen miles, will be called for immediately.

This action was taken by the Commission following the offer of Tehama County to purchase $37,500 worth of state highway bonds to finance a portion of the work.

VISALIA, Tulare Co., Cal.—Up to May 24th, 7:30 P. M. bids will be received by the City Trustees for the entire street paving program.

This action was taken following the report of the city engineer that the percentage of protestants was insufficient to eliminate the laying of the pavement on North Encina avenue and North Church street.

SANTA ROSA, Sonoma Co., Cal.—Two bids were received by the County Supervisors for the Healdsburg to the Napa County highway, section A, a distance of 4.053 miles: Conners & Hansen for concrete paving and grading, $114,244 and Englehart Construction Co., $126,074.

One bid was received on the Camp Meeker to Monte Rio road, that of the Daniel O'Day Company, for surfacing with local material for $2.70 per cubic yard, and to remove the earth from the slides for $1.50 per cubic yard.

For the construction of two reinforced concrete bridges over Green Valley creek, one of forty feet in length and the other of sixty feet with a twenty foot roadway in the clear,

two bids were received. The bids were on an estimate of 141 cubic yards of concrete for the first bridge and 143 cubic yards for the second. The Call Construction Company's bid for the two bridges complete was $10,414, while that of D. E. Albers was $9,700.

The bids were taken under advisement. Lloyd Aldrich is County Engineer.

VALLEJO, Solano Co., Cal.—Up to May 24th, 12 M., bids will be received by Alf. E. Edgcumbe, City Clerk, for the construction of a 6-in. salt-glazed, vitrified ironstone sewer in Sutter street from the crossing of Main to the intersection of Garford alley with Sutter street, thence east along Garford alley to a point 395 feet from the center line of Sutter street, including the construction of two brick manholes with concrete bottoms with cast iron tops; one sewer pipe lamphole with cast iron top and 16 Y branches 6x 4 inches. Work to be done under the Improvement Act of 1911. Certified check of 10% payable to City of Vallejo required. T. D. Kilkenny is City Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—The Santa Cruz County Supervisors have agreed to purchase $175,000 of State highway bonds as their share of financing the construction of 14 miles of paving between Glenwood and Los Gatos.

A like sum will be purchased by the Santa Clara County Supervisors, which will assure construction of the stretch.

SONOMA, Sonoma Co., Cal.—The City Trustees are considering plans and specifications for the improvement of the road to the top of Cemetery Hill, the estimate cost of which is $5,000.

HAYWARD, Alameda Co., Cal.—City Clerk Templeton has notified property owners that concrete sidewalks must be constructed on all frontage from the S. P. station to Fifth streets on B; on C from Watkins to Fifth; on A street from Alice on the South side to the upper A street bridge; on the North side from the bridge to the Western Pacific.

**GRANITE ROCK PAVING AWARD**

MONTEREY, Monterey Co., Cal.—The City Council has allowed the Granite Rock Company to withdraw from its contract for street improvement in the New Monterey District, owing to errors in the proceedings.

Archie Kay is city clerk of Monterey.

VISALIA, Tulare Co., Cal.—No bids were received by the supervisors for constructing a mountain road in Pierce valley, above Eshom valley, and the work will be done by the county under the direction of Supervisor Newman.

Lawrence Moye is County Surveyor.

TUSCON, Ariz.— Until 9 a. m., May 22, bids wil be received by Pima Co. highway commission for constructing about 8.8 miles gravel surfaced road, known as south branch Tanque Verde road and extending west from Wrightstown. Certified check for 10% required. E. G. Bushis, secretary.

PHOENIX, Ariz.—The city commission has decided to call for bids for un-

contracted work on the Verde gravity water system instead of doing it by force account.

TUCSON, Ariz.—Until 9 a. m., May 22, bids will be received by the Pima Co. highway commission for the construction of a reinforced concrete bridge across Pantano wash on the Tanque Verde road, 7 miles east of Tucson. The bridge will be 170 ft. long with four 40-ft. spans, deck girder type with concrete pile foundations. Certified check for 10% required. E. G. Bush, Secretary.

GRIDLEY, Butte Co., Cal.—Property owners have awarded a contract to the Clark & Henery Construction Co., for the construction of a 24-foot asphalt macadam road on Virginia street, between Magnolia and Cedar streets.

The road will be constructed of an asphaltum pavement four inches in thickness, covered with a liquid asphaltum and screenings.

POMONA, Los Angeles Co., Cal.—City Engineer C. E. Bayley estimates the cost of the proposed street paving at $385,000. The city voted $200,000 bonds to meet half the cost of paving, the property owners to pay the other half. A number of streets will be paved with 1:2:4 concrete.

SANTA CRUZ, Santa Cruz Co., Cal.—A petition has been presented to the County Supervisors from residents on the east side of Twin Lakes for another road along the county highway to eliminate what is known as a "death curve" at the end of the lakeside drive, Merced corner near Los Robles.

The petition urges that the road go by way of Prospect avenue, just south of the Lewis place, to Brighton avenue, for the block to the main road, and enter upon it at Schwan's station.

VISALIA, Tulare Co., Cal.—E. E. Herdman, the only bidder at $54,156.65 has been awarded the contract by the County Supervisors for the completion of four miles of the Millwood road, between Klink and the Acurso store west of Woodlake. The bid was $5,000 over the estimate of the County Engineer. L. A. Moye is County Engineer.

ALAMEDA, Alameda Co., Cal.—The City Council, W. E. Varcoe, City Clerk, has passed resolution of intention No. 54 providing for the improvement of Crist street from Broadway to Regent by grading and paving with a six inch oil macadam pavement, constructing concrete curbs, gutters, sidewalks, corrugated culverts with concrete gutter bridges.

The work will be done under the Improvement Act of 1911.

VISALIA, Tulare Co., Cal.—The bid of E. E. Herdman at $82,890 for the Springville-Worth highway has been rejected by the Supervisors. This was the only bid received. The estimate of the County Engineer was $63,840.

It is probable that new bids will be called.

L. A. Moye is County Engineer.

VENICE, Los Angeles Co., Cal.—Until 8:30 P. M., May 24, bids will be received by City Clerk T. H. Hanna for the following street work under Improvement Act of 1911:

Morningside, Appleton, Preston, Alexandria and Vienna Way between Penmar and Walgrove avenues, Glynden and Penmar avenues and Nowita Place to be graded, oiled and graveled and cement curb and sidewalks to be constructed.

Sunset avenue, between Trolleyway and Second avenue, to be graded and paved with 5-in. concrete and cement curb and sidewalks to be constructed. W. F. Crawford, City Engineer.

SAN LEANDRO, Alameda Co., Cal.—The City Council has rejected bids received for the improvement of Alvarado street from the north line of Castro, beginning at the intersection of the west line of Alvarado street with the south line of Hepburn street and running east along the south line of Hepburn street 18 feet; thence southeast across Alvarado street to a point on the east and distant 137.68 feet north from Saunders street, by grading; constructing redwood curbing and paving with a macadam pavement.

New proceedings will be started under the Improvement Act of 1911. R. H. Goodwin, 579 25th street, Oakland, is City Engineer.

SOUTH PASADENA, Los Angeles Co., Cal.—H. E. Cox, 305 Slavin Bldg., Pasadena, was awarded the contract May 10 at $41,242 for paving Orange Grove avenue, between Mission street and north city boundary, involving 165,000 sq. ft. grading at 2½c ft.; 165,000 sq. ft. 5-in. concrete paving at 19½c ft.; 6031 lin. ft. cement curb at 51c ft. C. L. Hill, City Engineer.

SACRAMENTO, Cal.—The City Commissioners have received a petition asking the construction of a sewer in Nineteenth street in the vicinity of B street. M. J. Desmond is City Clerk.

SANTA ROSA, Sonoma Co., Cal.—On recommendation of County Engineer Lloyd Aldrich, the bid of the Daniel O'Day Co., for surfacing the Monte Rio-Camp Meeker unit of the county highway, has been rejected. The bid was $2.70 per cu. yd. with $1.50 cu. yd. for earth removal caused by slides. The work will be done by day labor.

WINNEMUCCA, Nevada—Engineer R. E. Tilden has submitted preliminary plans to the City Trustees for sewer extensions in East Second street and the western section of the city.

The work will cost approximately $1,000. Miss Fannie Harp is City Clerk.

SACRAMENTO, Cal.—J. L. Conners of Los Angeles has been awarded a contract by the State Highway Commission for the construction of the highway link between San Jose and Santa Cruz. The bid was $196,840. In addition the State will furnish materials estimated at $107,130.

SACRAMENTO, Cal.—The City Commissioners have awarded a contract to The McGillivray Construction Co., Sacramento, for the improvement of Thirteenth street from R to X streets by

grading and constructing asphaltic concrete pavement 5½ inches thick.

J. W. Terrell has been awarded the contract for the improvement of Thirty-third street from a point 290 feet south of Ninth avenue to the alley first south of Twelfth avenue by excavating and constructing a vitrified ironstone pipe sewer, 7 concrete manholes with cast iron curbs and covers; Ninth avenue from Thirty-third avenue to a point 135 feet east of Thirty-fifth street by constructing vitrified ironstone pipe sewer, 3 concrete manholes with cast iron curbs and covers; Twelfth avenue from the alley first west of Thirty-second street to a point 148 feet east of Thirty-fifth street by constructing vitrified ironstone pipe sewer and 4 concrete manholes with cast iron curbs and covers.

M. J. Desmond is City Clerk.

TUCSON, Ariz.—Until 9 A. M., May 22, bids will be received by Pima County Highway Commission, New City Hall, Tucson, for constructing 1.8 miles gravel surfaced road known as south branch of Tanque Verde road extending west from Wrightstown. Certified check for 10% required. E. G. Bush, Secretary.

SANTA ROSA, Sonoma Co., Cal.—The bid of Conners & Hansen at $114,244 for the construction of the Healdsburg-Napa County Highway unit, Section A, has been accepted by the County Supervisors. The stretch will be 4.053 miles in length and will consist of grading and concrete paving. The only other bid received was that of the Englehart Construction Co. at $126,074.

Lloyd Aldrich is County Highway Engineer.

REDWOOD CITY, San Mateo Co., Cal.—Chas. J. Lindgren submitted the only bid to the County Supervisors, Elizabeth M. Nash, Clerk, for the resurfacing of the coast highway between San Gregorio and Tunitas at $29,000.

The bid was in excess of the engineer's estimate and was rejected.

HOLTVILLE, Imperial Co., Cal.—Geo. H. Oswald, 366 E. 58th St., Los Angeles, was awarded the contract for improving Palm Ave. and Fern Ave at 36c sq. ft. for 3½-in. bituminous base with 1¼-in. Warrenite surface, 85c lin. ft. for cement curb and 26c sq. ft. for cement sidewalk.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Bids were opened on May 10th by the City Trustees of South San Francisco and contracts awarded to the lowest bidders for the construction of a combined sanitary and storm water sewer system, and for an automatic fire alarm signaling system. The successful bidders were:

**Sewer System.**

C. B. Cowden, 1501 Larkin St., San Francisco, for $25,958.15.

**Fire Alarm System.**

Gamewell Fire Alarm Telegraph Co., $9,947.

VISALIA, Tulare, Co.—Up to June 8th bids will be received by the County Supervisors for the construction of the Orosi-Orange Cove section of the county highway system. L. A. Moye is County Engineer.

KINGMAN, Ariz.—Alvey and Larson were awarded the contract at $52,398 for constructing the Oatman-Golroad mountain highway, 2 miles long, in Mohave County. The engineer's estimate was $54,298.50. This is a state highway and the state will furnish cement, reinforcing steel for bridges and corrugated iron culverts estimated to cost $14,930. Thomas Maddock, state engineer, Phoenix.

## RAILROADS.

SANTA ROSA, Sonoma Co., Cal.—The State Supreme Court has reversed a decision of the lower court in the case of J. T. Coon vs. The Sonoma Magnesite Company and the company will at once proceed with the construction of a narrow gauge railroad along the east bank of Austin Creek from the company's quarries to the Northwestern Pacific station at Watson, in northern Sonoma county.

Failure to agree on the purchase of lands over which the road would be built caused the matter to be brought into the courts.

# Official Proposals.

### NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, San Francisco, Calif., May 10, 1920. Sealed proposals in triplicate for constructing approximately Forty-Two (42) buildings (including plumbing, heating and lighting) consisting of Quarters, Barracks, Hangars, Shops, etc., also Concrete Ramps, etc., at Crissy Field, Presidio of San Francisco, Calif., will be received here **until 2 P. M., June 14, 1920,** and then opened. Plans, specifications, etc., can be seen at this office about May 10, 1920. Further information on application. A deposit of $20.00 will be required to insure return of plans, etc.

IRA L. FREDENDALL,
Lieutenant Colonel, Q. M. Corps.

### BIDS WANTED FOR TURBO-ALTERNATORS, ETC.

SEALED PROPOSALS Indorsed "Proposals for Turbo-Alternators, Exciters, and Switch-board, Guam, M. I., Specification No. 4169," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., **until 11 o'clock A. M., May 26, 1920,** and then and there publicly opened, for furnishing two 200 KW Turbo-Alternators, one Turbine Driven Exciter, one Motor-Driven Exciter, and a Switchboard, f. o. b. cars Navy Yard, Mare Island, Calif., and for the services of an erecting engineer to supervise and be responsible for the installation of the same in the power plant at the Naval Station, Guam, M. I. Specification No. 4169 may be obtained on application to the Bureau or to the Commandant, Navy Yard, Mare Island, Calif. Deposit of a check or postal money order for $10.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the specification within five days after the award of the contract. C. W. PARKS, Chief of Bureau. April 24, 1920.

### BIDS WANTED FOR ELECTRIFICATION OF CAUSEWAY AT MARE ISLAND.

SEALED PROPOSALS, indorsed "Proposals for Electrification of Causeway and Transfer Yard, Mare Island, Cal., will be received at the Navy Yard, Mare Island, Cal., **11 o'clock A. M., May 19, 1920,** and then and there publicly opened for the complete electrification of the railroad track on the Vallejo-Mare Island Causeway and the transfer yard at the Navy Yard, using a 3,300 volt single phase alternating current overhead system, of the catenary type, carried by bracket arms on the causeway, and by bracket and span construction elsewhere. Wood poles will be used throughout except on bascule bridge on causeway, where special steel frame supports will be used, both poles and steel frame supports being furnished by the government. Drawings and Specification No. 4188 may be obtained on application to the Commandant, Navy Yard, Mare Island.

Deposit of a check or postal money order for $10.00, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification within five days after the award of the contract.

E. L. BEACH, Commandant.
April 10, 1920.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned to **2 o'clock P. M. May 24, 1920,** for the construction of a reinforced concrete arch bridge over Evans Creek near Reno, Washoe County, Nevada.

Approximate quantities 800 cubic yards excavation, 155 cubic yards of concrete, 70 cubic yards dry rubble masonry.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the county clerk's office in Reno. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### BIDS WANTED FOR NEVADA STATE HOSPITAL BUILDING.

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN that the Board of Commissioners for the Care of Indigent Insane, Carson City, Nevada, will receive bids for the following items in the construction of an "Administration Building" on the grounds of the Nevada Hospital for Mental Diseases, near Reno, Nevada, according to official plans and specifications on file with said Commission, and the State Architect's Office, Reno, Nevada, viz:

1. General Construction.
2. Plumbing.
3. Electrical.

The drawings and specifications may be secured at the office of F. J. DeLongchamps, State Architect, Gazette Bldg., Reno, Nevada.

A deposit of $10.00 will be required for each set of drawings and specifications taken from the Architect's office

Bids will be received at the office of the Commissioners for Care of Indigent Insane, Carson City, Nevada, not later than **11 A. M. on May 25, 1920.**

All bids shall be sealed in opaque envelopes and addressed to Commissioners for Care of Indigent Insane, Carson City, Nevada, and marked "Bid for Administration Building." Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the amount bid.

The Commissioners for Care of Indigent Insane reserve the right to accept or reject any or all bids.

Authorized this 23rd day of April, of Indigent Insane.

J. H. MYLES,
Clerk.
Board of Commissioners for Care of Indigent Insane.

**NOTE:**—The above is a two-story reinforced concrete building to cost approximately $200,000.

### OSTEOPATHS PLAN HOSPITAL.

The California Osteopathic Society announces that it has selected San Francisco as the site of an osteopathic hospital for crippled children. Plans for the hospital and a free clinic for the poor will be completed at the annual convention of the Western Osteopathic Association to be held at the Bellevue Hotel June 14 to 19.

### CONTRACTOR FURNISHED

CHICO, Cal.—Andrew F. Mahoney, millionaire San Francisco contractor and shipping magnate, and Thomas Crowley, a business associate, have filed with the Board of Education a bond for $360,000, as a guarantee that James L. McLaughlin, contractor for the new high school, will faithfully perform his contract according to specifications and discharge his obligations to all subcontractors. The bond was read at the last meeting of the Board of Education and was endorsed by Superior Judge E. P. Shortall, of San Francisco.—Chico Record.

### NEW PUBLICATIONS BY S. F. CHAMBER

San Francisco's dominant industrial and world trade factors, which make it the focal port of the Pacific seaboard, are strikingly set forth in three new publications just issued by the Chamber of Commerce in connection with its participation in the National Foreign Trade Convention.

The publications are to be given widespread distribution by the Chamber of Commerce, which is to have a booth of exhibits at the Foreign Trade Convention that will be devoted to furthering its policy of exploiting San Francisco and its attractions to the world. Mammoth enlargements of photographs of San Francisco and its modern harbor facilities, graphic drawings of the metropolitan industrial area, and charts, diagrams and statistical data telling the impressive story of the community's development are included in the exhibits.

The three publications issued by the Chamber of Commerce are "Industrial San Francisco," "San Francisco—Her Foreign Trade," and the "Eighth Annual Statistical Report of the San Francisco Chamber of Commerce.

### CALIFORNIA CEMENT OUTPUT LEADS

During the quarter ended March 31, 1920. California cement works shipped 9.92 per cent of all the cement manufactured and shipped in the United States

Pennsylvania was next, with shipments aggregating 7.21 per cent during the same periods.

The output of Portland cement in the Union during the March quarter attained the huge total of 12,783,000 barrels and of this California supplied 1,267,000 barrels.

In 1919 Pennsylvania's production was more than double that of California, whose output was less than 6 per cent of the country's total.

### ANOTHER SUBSTITUTE.

One of the Texan friends of Representative Cooper met him the other day. "You smoke, don't you," he asked.

"Sometimes," said Cooper.

"Take this," remarked the Texan. "This is something like a cigar."

Cooper took the weed lighted it, and puffed three or four times.

"Yes" he assented, "this something l' a cigar. What is it?"—New O-ATS SE Lawyer and Banker.

ARCH r store MEYER CHOSEN DI-

### JAPANESE CEMENT MARKET ACTIVE, SPECULATORS BUSY

WASHINGTON, D. C.—An activity in the Japanese cement market early in March, unusual at that season of the year, was reported by Consul General George H. Scidmore. In view of the prospects of an increased demand to meet the needs of the extensive construction of factories and other buildings, speculators were evidently buying up all the available stocks, which were not large, since manufacturers generally disposed of their output the latter part of 1919, at from $3.49 to $3.98 a barrel. A sudden rise in price to about $7 a barrel was the result.

### CONTRACT RESCINDED ON WASHINGTON STATE CAPITOL GROUP POWER AND HEATING PLANT.

OLYMPIA, Wash.—Claiming a clerical error resulted in a bid approximately $12,000 lower than was intended being submitted to the State Capitol Commission recently for the installation of the power and heating plant for the new capitol group, the Western Construction Co. of Seattle declined to sign the contract on which it was low bidder.

The capitol building commission has accepted the bid of the Albertson, Cornell Brothers & Simpson Company, of Tacoma, the next lowest bidders on the contract.

When bids were opened April 30, the bid of the Seattle concern of $132,340 was the lowest submitted and the contract awarded at that figure. The bid of Albertson, Cornell Brothers & Simpson is $155,263.

### BERKELEY ARCHITECT DIVORCED.

OAKLAND, Cal.—Superior Judge T. W. Harris has granted an interlocutory decree of divorce to Mrs. Mary H. Bonestell from Chesley K. Bonestell, Berkeley architect, on the grounds of desertion.

They were married in Berkeley, October 10, 1911, and have one child. Mrs. Bonestell said her husband deserted her February 15, 1918. She said he earns from $500 to $600 a month and asked for alimony of $150 a month for two years after which she wanted it made not less than $200 a month. The court made no order on this point. It is said a financial settlement was made out of court.

### SEATTLE CANDY FIRM TO LOCATE IN ALAMEDA.

ALAMEDA, Alameda Co., Cal.—The Chamber of Commerce has announced the closing of a lease for the property at the southwest corner of Park street and Encinal avenue by a Seattle firm on which will be erected a modern factory building.

Articles of incorporation for the company, which will be known as Saylor's Chocolate Company, will be filed this week. Stockholders are: Miss Ella Saylor, W. B. Saylor, M. D. Evans and Eliot Peterson.

### KEEP THE CEMENT SACK WORKING.

One empty sack at the cement mill is worth any number of them lying idle in dealers' or users' hands all over the country in so far as shipment of cement is concerned. Like many other kinds of cotton goods cement sacks are scarce. If every idle cement sack in the country were returned to the plant which sent it out, there would be considerable relief of the present shortage both of cement and sacks.

If a cement plant ships 1,000,000 barrels of cement a year in sacks, 4,000,000 sacks are necessary to take care of this shipment. Under actual conditions when shipments are made every day, the cement plant at the end of a year would find itself short of a very large number of sacks because dealers or cement users have not returned all they received. The following year it would, therefore, be necessary to supplement the stock of sacks by purchasing new ones. Sooner or later some sacks are certain to be lost through neglect or because put to improper use and thereby permanently kept from being again used as cement containers..

Many building and highway contractors have shown commendable enterprise in purchasing and storing during the past winter, large quantities of cement in anticipation of immediate need when the construction season opens. Naturally this has temporarily prevented the circulation of many cloth sacks in users' and dealers' possession throughout the country, which, if returned to the cement mill, would make the number held out of circulation through storage of cement relatively insignificant.

### JOHN HENDY, IRON MANUFACTURER, DIES

SAN JOSE, Cal.—John Hendy, 59, prominent in the State as an iron manufacturer, died at his home at Sunnyvale, on May 11 after an extended illness. He leaves a widow, Mrs. Alberta May Hendy, and a daughter, Mrs. Rex Shores, both of Sunnyvale.

Hendy was born in South Carolina and came to California, thirty-six years ago.

He was a nephew of the late Joshua Hendy, Sunnyvale and San Francisco iron manufacturer, and was a member of the staff of Governor Pardee. For 25 years he was a member of National Guard units in the State and was mustered out with the rank of Colonel. Samuel Hendy,

### SPECIFICATIONS ON ROLLING STOCK FOR CHILEAN RAILWAYS.

Plans and specifications for rolling stock and material required by the Chilean State Railroads have been received in the Latin American Division of the Bureau of Foreign and Domestic Commerce, where they may be examined by interested parties. These specifications furnished by the Department of the Inspector General of Railroads give data with regard to certain railroads for which funds have been provided in the budget law now in force. A detailed exposition (in Spanish) of new railroad construction contemplated by the Ministry of Public Work, and blue prints of the locomotives enumerated are also available. Announcement of the Chilean Government's request for bids to the value of 40,000,000 pesos (about $8,000,000) was made in Commerce Reports on March 20, 1920.

# State Water Commission.

## APPLICATIONS FILED WITH STATE WATER COMMISSION—PERMITS GRANTED.

SAN FRANCISCO.—The following applications have been filed with the State Water Commission, New Call Building, for permits to appropriate water (the number mentioned at end of each paragraph should be had when additional information is sought).

F. W. Hooper, Grass Valley, to appropriate flood waters during winter rains in Mendocino Co., for agricultural purposes on 120 ac. Diversion works consist of loose rock and earth dam 35'x55x7' with wasteway around dam. 1749.

E. G. LE Valley, Glenn, 1 cu. ft. per sec. from drain ditch No. 5 of Superior California Farm Land Co., for agricultural purposes on 30 acres (rice growing). Water to be diverted over a timber dam 2'x18'x16' and pumped onto land. 1750.

Wm. R. Wright, Los Angeles, 15,000 acre ft. per annum from San Gabriel R., in Los Angeles Co., for irrigation of 20,000 acres. Water to be diverted into main conduit approximately 17.2 mi. long over a concrete masonry dam 50'x600'x400' headgate of concrete masonry with 3 openings 6' wide. Estimated cost, $1,000,000. 1751.

Temescal Water Co., Corona, Riverside Co., 30 cu. ft. per sec. from San Jacinto R., in Riverside Co., tributary to Santa Ana R., for irrigation of 5000 acres. Amt. of water to be stored 30,000 acre feet. 1752.

Stuart S. Hawley, Mgr. of Meek Est., Oakland, 50 cu. ft. per sec. from Sacramento R., in Yolo Co., for irrigation of 2023 acres. Diversion works: Main canal about 1¾ mi. long and 1-30" double suction centrifugal pump discharging thru a 30" pipe extending over river levee. Estimated cost $60,000. 1753.

Adam Farrington & Elizabeth A. Farrington, care of Fred R. Smith, Bishop, 610 ac. ft. per annum from Sardine Lake, Mono Co., tributary of Walker Cr., for agricultural purposes on 1,800 acres. Diversion dam of earth and s one 15'x30'x15'—concrete headgate with one opening 4' wide. Estimated cost, $3,000. 1754.

Mrs. L. L. Beckley, H. L. Houchins, H. Hoffman & J. M. Richie, Grimes 20.9 c.f.s. from Sacramento R. in Colusa Co., for agricultural purposes on 840 ac. Diversion works: Main canal 1.08 mi. long and a pumping plant of 1-20" centrifugal Direct connected pump driven by a 100'h. p. motor. Estimated cost, $2,340. 1755.

The following seventeen applications were filed by Sutter Mutual Water Company, Sacramento, as follows:

1756, for 31.86 cu. ft. per sec. from Sacramento R., in Sutter Co., for agricultural purposes on 1274.5 acres.

1757, for 22.90 cu. ft. per sec. from Sacramento R., in Sutter Co., for irrigation of 917.02 acres.

1758, for 3 cu. ft. per sec. from Sacramento R., Sutter Co., for irrigation of 120 acres.

1759, for 1 cu. ft. per sec. from Sacramento R., in Sutter Co., for irrigation of 160 acres

1760, for 1 cu. ft. per sec. from Sacramento R., in Sutter Co., for irrigation of 160 acres.

1761, for 4.80 cu. ft. per sec. from Sacramento R., Sutter Co., for irrigation of 191.74 acres.

1762, for 28 cu. ft. per sec. from Sacramento R., Sutter Co., for irrigation of 1120 acres.

1763, for 12 cu. ft. per sec. from Sacramento R., Sutter Co., for irrigation of 380 acres.

1764, for 4 cu. ft. per sec. from Sacramento R., in Sutter Co., for irrigation of 160 acres.

1765, for 12 cu ft. per sec. from Sacramento R., Sutter Co., for irrigation of 180 acres.

1766, for 16.90 cu. ft. per sec. from Sacramento R., in Sutter Co., for irrigation of 677.13 acres.

1767, for 11 cu. ft. per sec. from Sacramento R., Sutter Co., for irrigation of 440 acres.

1768, for 5 cu. ft. per sec. from Sacramento R., Sutter Co., for irrigation of 200 acres.

1769, for 20 cu. ft. per sec from Sacramento R., Sutter Co., for irrigation of 800 acres.

1770, for 6.26 cu. ft per sec from Sacramento R., Sutter Co, for irrigation of 250.3 acres.

1771, for 1 cu. ft. per sec from Sacramento R., Sutter Co., for irrigation of 40 acres.

1772, for 2 cu. ft. per sec. from Sacramento R., Sutter Co, for irrigation of 80 acres.

The diversion works will consist of Supply Canal & Pumping Plant of the Sutter Mutual Water Company.

Lewis F. Byington, San Francisco, 4½ cu. ft. per sec. from waste flowing in trough across land for which application is made in Colusa Co., tributary to Sacramento R., for irrigation of rice on 180 acres. (Applicant allowed 60 days, from 4-14-20 to amend. 1773.

Happy Valley Irrigation Dist, Olinda, 75 cu. ft. per sec. from N Fk. of Cottonwood Cr., in Shasta Co., for irrigation and domestic purposes. Water will be diverted into main canal 16 mi. long over a concrete dam 50'x60'x15', with iron headgate. (Applicant allowed 60 days from 4-22-20 to complete.) 1774.

Robert Duncan, Hobart Bldg., San Francisco, 50 cu. ft. per sec. from Mill Cr., Humboldt Co., tributary to Trinity R., for placer mining. (Applicant allowed 60 days from 4-26-20 to file amended app.) 1775.

John L. McNab, 14 Montgomery St., San Francisco, 25 cu. ft. per second from Hostler Cr., Humboldt Co., tributary of Trinity R., for placer mining (Applicant allowed 60 days from 4--26-20 to complete app.) 1776.

Francis O. Hatch, San Francisco, 100 cu. ft. per. sec. from Mill Cr., Tehama Co., tributary to Sacramento R., for power purposes. Main diverting ditch 16 mi. long. (Applicant allowed 60 days from 4-26-20 to file maps.) 1777.

Louis P. Kearney, El Verano, Sonoma Co., 3 cu. ft. per sec. from Sonoma Cr., Sonoma Co., for agricultural purposes on 32 acres. Will divert water by means of pumping. 1780.

Ira D. Vinton, Los Angeles, 2 cu. ft. per sec. from unnamed canyon in Los Angeles Co., tributary to Big Tuyanga R., for agriculture and domestic purposes, water to be used on 20 acres, and to be diverted by means of pipe line and ditches about 1 mi. long and rock and concrete dam 20'x30' narrow at bottom. (Applicant allowed 60 days from 4-27-20 to complete.) 1781.

Allie W. Robinson, Independence, 1-16 cu. ft. per sec. from springs in Inyo Co., for agricultural and domestic purposes on 10 acres. Water will be diverted onto land by means of open ditches. 1782.

Moreno Mutual Irrigation Co., Riverside, 2½ cu. ft. per sec. from a cienega in Riverside Co., tributary to San Timoteo Cr., to Santa Ana R., for agricultural use on 2,800 acres. Water to be diverted by means of pipe line 5 miles long and dam 3'x4'x4', with concrete headgate with iron slide gate 24" diameter as inlet to pipe. Estimated cost, $116,000 including pipe line. 1785.

A. W. Kneibes, Gustine, Merced Co., 7 cu. ft. per sec. from San Joaquin R. for agricultural purposes on 320 acres. Diversion works: Canal 33 mi. long and sectional board weir 16'x385'x385', with steamboat chute-wasteway over weir. Estimated cost, $6500. 1787

O. T. Thompson, Stevinson, Merced Co., 7 cu. ft. per sec. from Merced R., for agricultural purposes on 320 acres. Diversion by pipe line 1 mile long and 10" centtrfugal pump driven by electric motor in concrete pit. Estimated cost $6,000. 1788.

C. W. Henry, W. A. Fritz and W. J. Clark, Bakersfield, 10 cu. ft per sec from Paso Cr., Kern Co., for quartz mill and mining work. Diversion works. Main ditch about 1 mile long and loose rock and earth dam 5'x10'x30', with timber headgate with 4-foot opening. 1789.

J. F. Snyder, Ingomar, Merced Co, 7 cu. ft. per sec. from San Joaquin R., Fresno Co., for agricultural purposes on 360 acres. Diversion by canal 33 miles long and sectional board weir 16'x385'x385', with steamboat chute, wasteway over weir. Estimated cost, $6,500. 1790.

David A. Penry and Chas. P. Mattson, Geyserville, Sonoma Co., 1 cu. ft. per sec. from Gird Cr., Sonoma Co., irrigation of 30 acres. Diversion work Pipe lines 120' long and concrete dam 7'x10'x25'. 1791.

J. W. Leventon, et al., Lookout, Modoc Co., 75,000 acre feet per annum from Pit R., and tributaries in Modoc Co., for agricultural purposes. Amount of water to be stored 75,000 acre feet. (estimated). 1792.

S. E. Getlis, Covelo, Mendocino Co., 189 cu. ft. per sec. from N Fork Eel R., Mendocino Co., for power purposes. Amount of water to be stored 137,385 acre feet. Amount of power to be developed 23,589 THP. Diversion works: Ditch and pipe line 4½ miles long and concrete dam 300'x605'x138'. Estimated cost, $1,500,000. 1793.

G. F. Faulkner, Pacific Grove, 13 cu. ft. per sec. from San Joaquin R., Fresno Co., for agricultural purposes on 560 acres. Diversion works: Canal 33 miles long and sectional board weir 16'x385'x385', with steamboat chute, wasteway over weir. Estimated cost, $9,000. 1794.

Honcut-Yuba Irrig. Dist., Honcut, 65,000 acre feet from Dry Cr., Yuba Co., for agricultural purposes on 27,500 acres. Water will be diverted by means of a concrete dam 8'x150'. 1795

Terra Bella Irrig. Dist., Terra Bella, Tulare Co., 1500 cu. ft. per sec. from Deer Cr., Tulare Co., for agricultural purposes on 12,500 acres. 1796.

### PERMITS.

The following permits to divert water have been issued by the State Water Commission:

Permit 696, Application 1451, issued to Orlis I. Kennedy & R. M. Lenner, San Bernardino, for 1-20 of 1 cu. ft. per sec. from spring in Powell Draw in San Bernardino Co., for agricultural purposes on 38 acres. Water to be diverted thru a pipe line 600' long.

701-1448, to The Big Cow Cr. Ditch Co., Palo Cedro, Shasta Co., for 8 cu. ft. per sec. from Cow Cr., Shasta Co., tributary of Sacramento R., for agricultural purposes on 800 acres. Diversion works: Canal and branch canal 10 miles long and rock and timber dam 4'x200'x200'. Estimated cost, $11,000.

704-1517, to Luther Hill, Independence, for 11.25 cu. ft. per sec. from Sawmill Cr., in Inyo Co., power purposes. Amount of power to be developed 386 THP.

Permit No. 705—Number not used.

706-1495, to James Wm. Schielke, Burnt Ranch, Trinity Co., for 40 cu. ft. per sec. from New River, Trinity Co., for gravel mining.

710-1298, to C. T. Watkins, Davis Cr., for 440 acre feet per annum from Lassen Co., Modoc Co., for irrigation of 139 acres. Diversion works: Main ditch 3.6 miles long and timber dam 6'x50' with movable flashboards.

711-1374, Julius C. Thorp, Pine Knot, 1-⅝ cu. ft. per sec. from unnamed branch of Arrastre Cr., in San Bernardino Co., for irrigation of 130 acres.

## NIAGARA DISTRICT INDUSTRIAL ASSOCIATION.

(Consul J. B. Milner, Falls, Ontario, Canada, Mar. 30, 1920.)

There has recently been organized the Niagara District Industrial Association, embracing all the towns and cities of the Niagara Falls consular district and having for its object the promotion of industries in this section. With the rapid pushing forward of the hydro-electric canal and the completion of the Welland Ship Canal (on which work is soon to be resumed), an abundance of electric power and increased facilities for shipping will be made available here, and both points to a greater development of this already important industrial region. This district offers special opportunities to the following classes of industry: All manufactures of iron, steel, textiles, paper and pulp electrochemicals, milling, and refining.

It is in project to hold a three days' industrial congress in August next, for the purpose of bringing to the canal and power zone representatives of United States industries, in order to show them the advantages the Beh in the way of power and of Osteo.going transportation.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 1220 | Kuppenheimer | Mullen | 500 |
| 1221 | Abrams | Delbert | 500 |
| 1222 | Sullivan | MacDonald | 100000 |
| 1223 | Friedman | Johnson | 1400 |
| 1224 | Green | Chase | 650 |
| 1225 | Simpton | Bailey | 800 |
| 1226 | Boge | Owner | 600 |
| 1227 | Johnson | Owner | 12000 |
| 1228 | Andrews | American | 8000 |
| 1229 | Mercantile | Coggins | 1500 |
| 1230 | Mitchell | Jensen | 500 |
| 1231 | Federal | Carson | 500 |
| 1232 | Nelson | Owner | 4000 |
| 1233 | Umbsen | Swenson | 500 |
| 1234 | Joseph | Owner | 3500 |
| 1235 | Jackson | Grace | 1500 |
| 1236 | Frederick | Owner | 500 |
| 1237 | Hamill | Owner | 5000 |
| 1238 | Audemard | Stevenson | 4000 |
| 1239 | Rouda | Forbes | 9700 |
| 1240 | Same | Forbes | 300 |
| 1241 | Same | James | 930 |
| 1242 | Same | James | 1985 |
| 1243 | Same | Smith | 2524 |
| 1244 | Same | American | 1090 |
| 1245 | Same | Inlaid | 1022 |
| 1246 | Same | Miller | 5350 |
| 1247 | Same | Zimmerman | 1290 |
| 1248 | Vasconi | Martinelli | 6850 |
| 1249 | Ray | Reed | 5300 |
| 1250 | Same | Hurley | 10708 |
| 1251 | Busse | Jensen | 800 |
| 1252 | Duncan | Andrews | 800 |
| 1253 | Sable | Sable | 550 |
| 1254 | Memburger | Owner | 500 |
| 1255 | Levaggi | Urfer | 1800 |
| 1256 | Guthrie | Ferguson | 500 |
| 1257 | Peters | Owner | 4500 |
| 1258 | Collins | Gilmour | 1250 |
| 1259 | Lundy | Home | 1300 |
| 1260 | Lenord | Mitchell | 1064 |
| 1261 | S P Co | Lange | 500 |
| 1262 | Molera | Duncan | 15250 |
| 1263 | Hunter | Taylor | 3000 |
| 1264 | Strauss | Nelson | 7885 |
| 1265 | Lurie | Barrett | 35000 |
| 1266 | Same | Same | 35000 |
| 1267 | Same | Same | 50000 |
| 1268 | Haggard | Owner | 1000 |
| 1269 | Barrett | Owner | 500 |
| 1270 | Perry | Owner | 900 |
| 1271 | Backe | Bovyer | 860 |
| 1272 | Hoyt | Watson | 2000 |
| 1273 | Olson | Owner | 750 |
| 1274 | Baldwin | Arras | 7688 |
| 1275 | Same | Beck | 3530 |
| 1276 | Ruggles | Whitmore | 2075 |
| 1277 | Same | Moller | 10050 |
| 1278 | Friedman | Coburn | 8085 |
| 1279 | Schmidt | Watsonite | 967 |
| 1280 | Johnson | Owner | 15000 |
| 1281 | Basin | Kragen | 1000 |
| 1282 | Gonzoneri | Ruegg | 550 |
| 1283 | O'Neill | Owner | 5000 |
| 1284 | Pacific T & T | Matthies | 1000 |
| 1285 | Mission Masons | Owner | 7000 |
| 1286 | Stehn | Morlanio | 1440 |
| 1287 | Gay | Martin | 29693 |
| 1288 | Met. Life | Monarch | 27295 |
| 1289 | Bjors | Owner | 4000 |
| 1290 | Garguilo | Owner | 3500 |
| 1291 | Jacobs | McGain | 500 |
| 1292 | Tassus | Hansen | 500 |
| 1293 | McCarthy | Arnott | 3000 |
| 1294 | Same | Same | 3000 |
| 1295 | Johnson | Merritt | 8000 |
| 1296 | City Invst. | Grace | 3000 |
| 1297 | Healy | Owner | 1500 |
| 1298 | Richer | Nichols | 500 |
| 1299 | Schener | Owner | 800 |
| 1300 | Allen | Owner | 12000 |
| 1301 | Same | Same | 12000 |
| 1302 | Hunter | Low | 500 |
| 1303 | McPherson | Owner | 500 |
| 1304 | Fay | Martin | 53621 |
| 1305 | Macowsky | Spargo | 8080 |
| 1306 | Plummer | Rednall | 2000 |
| 1307 | Moore | Leiter | 5000 |
| 1308 | Mulgin | Owner | 500 |
| 1309 | Chldrns Hsptl | Healing | 3000 |
| 1310 | Zieback | Salomon | 940 |
| 1311 | Colonial Motor | Solomon | 500 |
| 1312 | W P R R | Wagner | 1685 |

ALTERATIONS
(1220) SE BUSH AND GRANT AVE. Alter store front, install doors, etc.
Owner—Joseph A. Kuppenheimer, 211 Kearny St., San Francisco.
Architect—None.
Contractor—Mullen Mfg. Co., 64 Rausch St., San Francisco.
COST, $500

GARAGE
(1221) N CAMINO DEL MAR foot of 32nd Ave. One-story frame private garage.
Owner—Dr. Al. Abrams, 2135 Sacramento St., San Francisco.
Architect—H. C. Smith, Humboldt Bank Bldg., San Francisco.
Contractor—L. J. Deibert, 2453 Buchanan St., San Francisco.
COST, $500

SALES BLDG.
(1222) N CALIFORNIA 159-4 W Van Ness Ave. Four-story and basement reinforced concrete sales building.
Owner—Walter Sullivan, 907 Rialto Bldg., San Francisco.
Engineers—MacDonald & Kahn, Rialto Bldg., San Francisco.
Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.
COST, $100,000

ALTERATIONS
(1223) E DIVISADERO 32-6 S Green. Construct sleeping porch at rear of residence.
Owner—Henry Friedman, 273 Post St., San Francisco.
Architect—Sam Lightner Hyman, Crocker Bldg., San Francisco.
Contractor—J. Harold Johnson, 110 Jessie St., San Francisco.
COST, $1400

EXCAVATION, ETC.
(1224) NO. 198 DIVISADERO. Excavation, concrete walls, etc.
Owner—Marian S. Green, Premises.
Architect—None.
Contractor—S. A. Chase, 80 Douglass St., San Francisco.
COST, $650

ALTERATIONS
(1225) NO. 336 EXCELSIOR AVE. Raise roof, shingling, new stairs, etc., for dwelling.
Owner—W. Simpton, Premises.
Architect—None.
Contractor—J. M. Bailey, 310 Excelsior Ave., San Francisco.
COST, $800

ADDITION
(1226) NO. 288 EIGHTH AVE. Add 6 feet to rear room and porch; alter for basement garage in dwelling.
Owner—Jesper Boge, Premises.
Architect—None.
Day's work.
COST, $600

FRAME FLATS
(1227) NW FULTON AND SIXTEENTH Ave. Two-story and basement frame (4) flats.
Owner—J. Johnson, 375 17th Ave., S. F.
Architect—None.
Day's work.
COST, $12,000

ALTERATIONS
(1228) NOS. 115-117 FRONT ST. New store front; install girders; erect mezzanine floor, etc., for office and display room.
Owner—J. S. Andrews, 666 Market St., San Francisco.
Architect—None.
Contractor—American Concrete Co., 785 Market St., San Francisco.
COST, $8000

ALTERATIONS
(1229) NO. 170 FIRST ST. Replace joist and floor in store room where damaged by fire.
Owner—Mercantile Trust Co., 464 California St., San Francisco.
Architect—None.
Contractor—L. M. Coggins, 115 Turk St., San Francisco.
COST, $1500

ALTERATIONS
(1230) NO. 3 GOUGH ST. Extend present restaurant building; concrete flooring; install toilets, etc.
Owner—Harry Mitchell, Premises.
Architect—None.
Contractor—Jas. Jensen, 550 Valencia St., San Francisco.
COST, $500

ALTERATIONS
(1231) NO. 296 GOLDEN GATE AVE. Alter store front; plate glass, marble base, etc.
Owner—First Federal Trust Co., Post and Montgomery Sts., S. F.
Architect—None.
Contractor—Otto Carson, 119 Jessie St., San Francisco.
COST, $500

FRAME DWELLING
(1232) W MADRONE 140 N Vicente. Two-story and basement frame dwlg.
Owner—F. Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work.
COST, $4000

ALTERATIONS
(1233) NO. 32 MONTGOMERY ST. Remove balcony and set up in rear of store.
Owner—Umbsen, Kerner & Eisert, 20 Montgomery St., San Francisco.
Architect—None.
Contractor—Swenson & Franzen, 145 Natoma St., San Francisco.
COST, $500

ADDITION
(1234) S NORTH POINT 77 E Jones. One-story frame marble mill addition.
Owner—Joseph Musto Sons-Keenan Co. 535 North Point St., San Francisco.
Architect—None.
Day's work.
COST, $3500

ALTERATIONS
(1235) NOS. 44-46 PROSPER. Excavating, concrete, mill work, wall beds, painting, plumbing, etc., for alterations to apartment house.
Owner—T. W. Jackson, Premises.
Architect—O. E. Evans, 2569 Mission St., San Francisco.
Contractor—J. T. Grace, 1013 Rhode Island St., San Francisco.
COST, $1500

ALTERATIONS
(1236) NO. 101 SHOTWELL. Remove two rooms in rear and enlarge store.
Owner—H. Frederick, 608 Hearst Bldg., San Francisco.
Architect—None.
Day's work.
COST, $500

FRAME RESIDENCE
(1237) E THIRTIETH AVE 275 S California. Two-story and basement frame residence.
Owner—Thos. Hamill, 715 42nd Ave., San Francisco.
Architect—None.
Day's work.
COST, $5000

#### RECORDED

(1238) N SYCAMORE AVE 133 W Mission W 25xN 100. All work for one-story and basement frame residence and garage.
Owner—Leon and Theresa Audemard, 594 Valencia St., San Francisco.
Plans by Contractor.
Contractor—L. H. Stevenson, 45 Worth St., San Francisco.
Filed May 10, '20. Dated May 7, '20.

| | |
|---|---|
| Frame up | $1000 |
| Building Plastered | 1000 |
| Completed and accepted | 1000 |
| Usual 35 days | 1000 |
| TOTAL COST | $4000 |

Bond, $2000. Surety, Maryland Casualty Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit also applied for today.

EXCAVATING, ETC.
(1239) W HYDE 87-6 N Geary 25x87-6. Excavating, concrete, reinforcing

steel, wooden forms, terra cotta flue lining for three-story and basement reinforced concrete building.
Owner—Samuel and Henrietta Rouda, 41 Powell St., San Francisco.
Architect—J. F. Dunn, 401 Phelan Bldg., San Francisco.
Contractor—Richard J. H. Forbes, Monadnock Bldg., San Francisco.
Filed May 10, '20. Dated Apr. 5, '20.
Concrete poured to first floor...$3000
Concrete poured to 2nd floor.... 2000
Completed ..... 2275
Usual 35 days..... 2425
TOTAL COST, $9700
Bond, $9700. Sureties, Emil Hogberg and Jno. Cassaretto. Limit, 50 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Mar. 29, 1920 No. 800.

(1240) CEMENT FLOOR IN BASEment and passageways on above.
Contractor—Richard J. H. Forbes, Monadnock Bldg., San Francisco.
Filed May 10, 20. Dated Apr. 5, '20.
Completed .....$300
TOTAL COST, $300
Bond, $300. Sureties, Emil Hogberg and Jno. Cassaretto. Limit, 10 days. Forfeit, 2. Plans and specifications filed.

(1241) STEAM HEATING, RADIATORS hot water, storage tank, etc., on above.
Contractor—James & Drucker, 450 Hayes St., San Francisco.
Filed May 10, '20. Dated Mar. 26, '20.
Roughed in .....$465.00
Completed ..... 232.50
Usual 35 days..... 232.50
TOTAL COST, $930.00
Bond, $930. Sureties, E. Heymans and J. F. Dunn. Limit, without delay. Forfeit, none. Plans and specifications filed.

(1242) SEWERING, PLUMBING, GAS fitting, etc., on above.
Contractor—James & Drucker, 450 Hayes St., San Francisco.
Filed May 10, '20. Dated Mar. 26, '20.
Roughed in .....$992.50
Completed and accepted..... 496.25
Usual 35 days..... 496.25
TOTAL COST, $1985.00
Bond, $1000. Sureties, E. Heymans and J. F. Dunn. Limit, without delay. Forfeit, none. Plans and specifications filed.

(1243) LATHING AND PLASTERING on above.
Contractor—James F. Smith, 273 Minna St., San Francisco.
Filed May 10, '20. Dated ——.
Brown coated .....$1000
Completed and accepted..... 893
Usual 35 days..... 631
TOTAL COST, $2524
Bond, $1262. Sureties, Daniel O'Neill and O. F. Larsen. Limit, without delay Forfeit, none. Plans and specifications filed.

(1244) ELECTRIC WIRING, PHONES and bells, etc., on above.
Contractor—American Steel & Engineering Co., San Francisco.
Filed May 10, '20. Dated ——
Roughed in .....$545.00
Completed and accepted..... 272.50
Usual 35 days..... 272.50
TOTAL COST, $1090.00
Bond, none. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

(1245) HARDWOOD FLOORING ON above.
Contractor—Inlaid Floor Co., 600 Alabama St. San Francisco.
Filed May 10, '20. Dated Apr. 23, '20.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $1032.50
Bond, none. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

(1246) CARPENTER, MILL, SASH, doors, glass, rough hardware, roofing, tinning and sheet metal work on above.
Contractor—John S. Miller.
Filed May 20, '20. Dated Apr. 6, '20.
2nd story joists set.....$ 571
Roof on ..... 962
Partitions set ..... 1000
Mill work delivered..... 1500
Completed and accepted..... 500
Usual 35 days..... 1417
TOTAL COST, $5950
Bond, $2875. Sureties, A. Legauld and J. F. Dunn. Limit, 120 days. Forfeit, none. Plans and specifications filed.

(1247) PAINTING, WATERPROOFING, papering, tinting, etc., on above.
Contractor—S. Zimmerman.
Filed May 10, '20. Dated Apr. 17, '20.
Exterior spreyed and interior primed .....$400
Completed and accepted..... 500
Usual 35 days..... 300
TOTAL COST, $1200
Bond, none. Limit, 20 days after ready for painters. Forfeit, none. Plans and specifications filed.

REPAIR SHOP
(1248) S LOMBARD 225 W Van Ness Ave W 25xS 137-6. All work for one story reinforced concrete auto repairing shop and frame building on rear.
Owner—Pio Vasconi, 3035 Larkin St., San Francisco.
Architect—Chas. Fantoni, 550 Montgomery St., San Francisco.
Contractor—J. Martinelli, 1427 Mason St., San Francisco.
Filed May 10, '20. Dated May 3, '20.
All moulds for reinforced concrete walls ready .....$1712.50
All concrete in and trusses up and roof sheathing boards on.... 1712.50
Completed and accepted..... 1712.50
Usual 35 days..... 1712.50
TOTAL COST, $6850.00
Bond, $3425. Sureties, G. P. Olcese and Pilade Carmignani. Limit, 65 days. Forfeit, $5. Plans and specifications filed.
NOTE:—Permit applied for May 6, 1920, No. 1181.

FACTORY
(1249) BUILDING LOT BOUNDED by Bosworth, Milton, Rousseau and Southern Pacific Railroad. All brick and tile work for a one-story brick concrete and steel factory building.
Owner—W. S. Ray Manufacturing Co., Milton & Bosworth Sts.
Architect—The Austin Co., Pacific Building.
Contractor—A. G. Reed, 180 Jessie St. San Francisco.
Filed May 10, '20. Dated Mar. 10, '20.
Payments of 75% on or before 10th of each month.
Usual 35 days.....25%
TOTAL COST, $5,300
Bond, none. Limit, 45 days. Forfeit, $50. Plans and specifications filed.

(1050) CONCRETE AND CEMENT work on above.
Contractor—P. Hurley, 578 Elizabeth St., San Francisco.
Filed May 10, '20. Dated Apr. 14, '20.
Foundations completed to floor line .....$1800
Concrete roof completed..... 4008
Completed ..... 2200
Usual 35 days..... 2700
TOTAL COST, $10,708
Bond, none. Limit, 60 days. Forfeit, $50 per day. Plans and specifications, none.

PERMITS

ALTERATIONS
(1251) NO. 1485 CHURCH. Alter and change 6 three-room flats.
Owner—Otto A. Busse, 155 Whitney St., San Francisco.
Architect—None.
Contractor—James Jensen, 550 Valencia St., San Francisco.
COST, $800

ALTERATIONS
(1252) NO. 61-A CARMELITA AVE. Alter for garage in basement of present flat building.
Owner—J. E. Duncan, Premises.
Architect—None.
Contractor—Chas. Andrews, 1825 Ellis St., San Francisco.
COST, $800

ALTERATIONS
(1253) NO. 3144 WASHINGTON ST. Alter residence.
Owner—Mrs. L. Sable.
Architect—None.
Contractor—L. Sable, San Bruno, Cal.
COST, $550

PLASTER RESIDENCE
(1254) NO. 5720 CALIFORNIA. Plaster front of residence and build brick fireplace, etc.
Owner—H. S. Memburger, Premises.
Architect—None.
Day's work. COST, $500

REPAIRS
(1255) SE SACRAMENTO & SANSOME Repair fire damage to offices.
Owner—Levaggi Co., 333 Clay St., San Francisco.
Architect—None.
Contractor—Chas. E. Urfer, 134 Halleck St., San Francisco.
COST, $1800

ADDITION
(1256) NO. 2850 FILBERT. Add porch to dwelling, glazing, etc.
Owner—W. R. Guthrie, Premises.
Architect—None.
Contractor—Ferguson & Son, 1739 Union St., San Francisco.
COST, $500

DWELLING
(1257) E FIFTEENTH AVE., 274 N Cabrillo. Two-story and basement frame dwelling.
Owner—J. M. Peters, 1010 Balboa St. San Francisco.
Architect—None.
Day's work. COST, $4,500

PLASTERING
(1258) NE JACKSON AND JONES Sts. Lath and plaster exterior of residence.
Owner—O. Collins, San Francisco.
Architect—None.
Contractor—Wm. G. Gilmour, 180 Jessie St., San Francisco.
COST, $1,250

WINDOW ETC.
(1259) NO. 35 POWELL ST. Construct new show window—marble, glass work, etc.
Owner—Arthur Lundy, Jr., 720 Market St., San Francisco.
Architect—None.
Contractor—Home Mfg. Co., 542 Brannan St., San Francisco.
COST, $1,300

STORE
(1260) W MISSION 50 S-TWENTY-second. Install new store front, tile flooring, etc.
Owner—P. Lenord, 120 Church St., San Francisco.
Architect—None.
Contractor—T. F. Mitchell, 1370 Utah St., San Francisco.
COSE, $1,064

STATION
(1261) NE MARIPOSA AND INDIANA One-story frame comfort station.
Owner—Southern Pacific Co., San Francisco.
Architect—None.
Contractor—Lange and Bergstrom, 207 Sharon Bldg., San Francisco.
COST, $500

RECORDED.

BUILDING
(1262) SE VAN NESS AVE AND ELLIS All work for one-story mezzanine and basement building.
Owner—A. J. Molera, Monterey, Cal.
Architect—None.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
Filed May 11, '20. Dated Apr. 2, '20.
Monthly payments as work progresses of ..... 75%
TOTAL COST, $15,250
Bond, limit, forfeit, plans and specifications, none.
NOTE:—Permit reported May 6, 1920, No. 1173.

ALTERATIONS
(1263) N CLAY 81-3 E Baker N 105xE 25. All work for alterations and additions to residence.
Owner—T. B. Hunter, Rialto Bldg., San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—W. A. Goericke (as Taylor & Goericke), Sharon Bldg., San Francisco.
Filed May 11, '20. Dated May 3, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $3000
Bond, none. Limit, 45 days. Forfeit none. Plans and specifications filed.
NOTE—Permit reported May 10, 1920, No. 1215.

FRAME BUNGALOW
(1264) LOT 25 BLK 3164, Westwood Park. All work for one-story frame bungalow.
Owner—M. Frank Strauss.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed May 11, '20. Dated Apr. —, '20.
Building up and enclosed....$1421.25

Brown coated ..... 1421.25
Completed and accepted..... 1421.25
Usual 35 days..... 1421.25
TOTAL COST, $7885.00

Bond, $3900. Sureties, Chas. Monson and Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

PERMITS

STORES AND OFFICES
(1265) S GOLDEN GATE AVE 87-6 W Leavenworth. One-story Class "B" stores and offices.
Owner—Louis R. Lurie, 743 Mills Bldg., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, 404 Sharon Bldg., San Francisco.
COST, $35,000

STORES AND OFFICES
(1266) S GOLDEN GATE AVE 37-6 W Leavenworth. One-story Class "B" stores and offices.
Owner—Louis R. Lurie, 743 Mills Bldg., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, 404 Sharon Bldg., San Francisco.
COST, $35,000

STORES AND OFFICES
(1267) SW GOLDEN GATE AVE AND Leavenworth. One-story Class "B" stores and offices.
Owner—Louis R. Lurie, 743 Mills Bldg., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Barrett & Hilp, 404 Sharon Bldg., San Francisco.
COST, $50,000

ALTERATIONS
(1268) NO. 126 ELLIS ST. Enlarge and alter interior of restaurant.
Owner—Haggard & Schwartz, Premises
Architect—None.
Day's work. COST, $1000

CONCRETE FLOOR
(1269) E HARRISON 50 S Alameda. Lay concrete floor in warehouse.
Owner—Barrett & Hilp, Sharon Bldg., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1270) N HOWARD 207 W-SEVENTH St. General alterations and changes for lodging house.
Owner—Mrs. Perry, 60 Haight St., San Francisco.
Architect—None.
Day's work. COST, $900

ALTERATIONS
(1271) NO. 2622 SUTTER ST. Concrete yard, new bath, etc., for residence.
Owner—Mrs. Backe, 2622 Sutter St., San Francisco.
Architect—None.
Contractor—Bovyer Sons, 2407 California St., San Francisco.
COST, $860

MOVE WOOD, ETC.
(1272) SW SECOND AND TOWNsend Sts. Remove wood and hollow tile partitions, etc., in warehouse.
Owner—John G. Hoyt.
Architect—None.
Contractor—Daniel Watson, 39 St. Anne St., San Francisco.
COST, $2,000

ALTERATIONS
(1273) NO. 328 TWENTIETH AVE. General alterations and minor additions for dwelling.
Owner—Fred Olsen, 154 Wood St., San Francisco.
Architect—None.
Day's work. COST, $750

RECORDED

GRADING, ETC.
(1274) SE MARKET 108-6¼ NE Guerrero NE 25 SE 80 NE 8-7⅞ S 51-8 NW 119-3¾ M B 22. Grading, concrete, reinforcing steel for one-story and basement reinforced concrete building.
Owner—O. D. Baldwin, Russ Bldg., San Francisco.
Architect—Albert W. Burgren, 661 Phelan Bldg., San Francisco.
Contractor—Adam Arras, 110 Jessie St., San Francisco.
Filed May 12, '20. Dated May 6, '20.
Basement walls poured with concrete .....$2000
1st story walls poured..... 2000
Completed and accepted..... 1766
Usual 35 days..... 1922
TOTAL COST, $7688

Bond, $3844. Sureties, R. A. Farrar and Thos. L. Comyno. Limit, 60 days. Forfeit, none. Plans and specifications filed.

NOTE:—Permit reported May 8 1920, No. 1207

(1275) CARPENTER, MILL, ROUGH hardware, glass, plaster, painting and electric work on above.
Contractor—John E. Beck, 110 Jessie St., San Francisco.
Filed May 12, '20. Dated May 6, '20.
Roof on and exterior plastered.$1300
Completed and accepted..... 1330
Usual 35 days..... 900
TOTAL COST, $3530

Bond, $1765. Sureties, O. Monson and C. B. Sorvig. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

LATHING AND PLASTERING
(1276) W VAN NESS AVE 40 N Eddy W 109-9xN 40. Interior and exterior lathing and plastering for one-story reinforced concrete building.
Owner—Mary A. Ruggles, 1901 Vallejo St., San Francisco.
Architect—August G. Headman, New Call Bldg., San Francisco.
Contractor—G. E. Whitmore, 673 16th Ave., San Francisco.
Filed May 12, '20. Dated Apr. 21, '20.
⅔ of work completed.....$1037.50
Completed and accepted..... 518.75
Usual 35 days..... 518.75
TOTAL COST, $2075.00

Bond, $1038. Surety, Jas. E. Lennon. Limit, as fast as possible. Forfeit, $10. Plans and specifications filed.

NOTE:—Permit reported May 6 1920, No. 1189.

(1277) EXCAVATION, CONCRETE, carpenter and mill work on above.
Contractor—Fred Moller, 572 Haight St., San Francisco.
Filed May 12, '20. Dated Apr. 21, '20.
Footings poured and outside form work in place.....$1500.00
Steel and wood trusses in and all form work done to truss level 1803.00
All concrete walls poured.. 1903.00
Completed and accepted..... 2331.50
Usual 35 days..... 2512.50
TOTAL COST, $10,050.00

Bond, $5025. Sureties, R. W. Moller & F. K. McComber. Limit, 55 days. Forfeit, $15. Plans and specifications filed.

CONCRETE BUILDING
(1278) S GOLDEN GATE AVE 247-6 W Buchanan W 27-6xS 137-6. All work for one-story concrete building
Owner—J. Friedman, 1126 McAllister St., San Francisco.
Architect—None.
Contractor—Ira W. Coburn, 180 Jessie St., San Francisco.
Filed May 12, '20. Dated Apr. 29, '20.
On 1st of each month as work progresses ..... 75%
Usual 35 days..... 25%
TOTAL COST, $8085

Bond, none. Limit, 80 days. Forfeit, none. Plans and specifications filed.

NOTE:—Permit reported April 29, 1920, No. 1120.

ROOF PAVING
(1279) SECOND AND STERLING. All work for roof paving for addition to plant.
Owner—Schmidt Lithograph Co., 2nd and Sterling Sts., San Francisco.
Construction Manager—Fred'k. Whitton, 369 Pine St., San Francisco.
Contractor—Watsonite Products Co., 58 Second St., San Francisco.
Filed May 12, '20. Dated Apr. 20, '20.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $967

Bond, $484. Surety, New Amsterdam Casualty Co. Limit, 15 days. Forfeit, $6. Plans and specifications filed.

PERMITS

FRAME FLATS
(1280) NE CLEMENT AND TWENTYsecond Ave. Two-story and basement frame (4) flats.
Owner—Chas. A. Johnson, 47-A Landers St., San Francisco.
Architect—None.
Day's work COST, $15,000

ALTERATIONS
(1281) NE FOURTH AND NATOMA. Install show windows.
Owner—N. Basin, 109 3rd St., S. F.
Architect—None.
Contractor—Louis Kragen, 743 Gough St., San Francisco.
COST, $1000

GARAGE
(1282) NO. 2521 FOLSOM. One-story frame private garage.
Owner—G. Gonzoneri, Premises.
Architect—None.
Contractor—Rugg Bros., 719 Pacific Bldg., San Francisco.
COST, $550

BRASS WORKS
(1283) W FOURTH 30 N Freelon. One story concrete brass works.
Owner—Jos. O'Neill, 68 Post St., San Francisco.
Architect—None.
Day's work. COST, $5000

CABLE ROCK
(1284) NO. 827 HYDE. Construct cable rock on first floor of steel, concrete and plaster.
Owner—Pacific Telephone & Telegraph Co., 333 Grant Ave., San Francisco.
Architect—None.
Contractor—H. C. Matthies, 180 Jessie St., San Francisco.
COST, $1000

ALTERATIONS
(1285) 2668 MISSION ST. New stairs, fire escapes, plumbing fixtures, etc., for hall.
Owner—Mission Lodge Masonic Hall Assn., 2668 Mission St., San Francisco.
Architect—F. S. Holland, 1629 Folsom St., San Francisco.
Day's work. COST, $7,000

ALTERATIONS
(1286) NW WALLER AND STEINER Sts. Alterations for cafeteria.
Owner—E. Stohn, care of Umbsen, Kerner & Eisert, Agents, 20 Montgomery St., San Francisco.
Architect—None.
Contractor—F. Moriano & L. Bonee, 617 Bosworth St., San Francisco.
COST, $1,440

RECORDED

APARTMENTS
(1287) S POST 68-9 W Taylor W 24-1 xS 68-9. All work for three-story and basement reinforced concrete store and apartment building including street steam heating system.
Owner—Jean E. Gay and Marie J Gay (his wife), 110 Sutter St., San Francisco.
Architect—Rousseau & Rousseau, 110 Sutter St., San Francisco.
Contractor—Wm. Martin, 110 Jessie St., San Francisco.
Filed May 13, '20. Dated Apr. 28, '20.
Concrete work completed and joists installed up to 2d floor.$5567.00
Concrete work completed and ready for roof..... 5567.25
Brown coat plaster on..... 5567.25
Completed and accepted..... 5568.25
Usual 35 days..... 7428.25
TOTAL COST, $29,693.00

Bond, $14,846.50. Sureties, Edwin T. Peterson and Patrick Hurley. Limit, 140 days after receiving building permit. Forfeit, none. Plans and specifications filed.

IRON WORK
(1288) NE PINE AND STOCKTON E 137-6xN 275. All work for ornamental iron work for building.
Owner—Metropolitan Life Insurance Co. by Jas. Furlong, Contractor.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Sub-Contractor—The Monarch Iron Works, 943 Columbus Ave., San Francisco.
Filed May 13, '20. Dated May 12, '20.
On 10th of each month..... 75%
40 days after, 25%.....$6823.75
TOTAL COST, $27,295.00

Bond, $13,647.50. Surety, Globe Indemnity Co. Limit, forfeit, none. Plans and specifications filed.

PERMITS

FRAME DWELLING
(1289) N ANZA 80 W 20th Ave. One-story and basement frame dwelling
Owner—Victor Bjorg, 3573 19th St., San Francisco.
Architect—None.
Day's work COST, $4000

ALTERATIONS
(1290) NO. 662 BRUNSWICK. General alterations and changes for residence. Construct store on ground floor.
Owner—A. Gargiulo, Premises.
Architect—L. Mastropasqua, 580 Washington St., San Francisco.
Day's work. COST, $3500

ALTERATIONS
(1291) NO. 2426 BUCHANAN. Alter for private garage in basement.
Owner—Frank Jacobs & Brother.
Architect—None.
Contractor—Wm. McCain, 1520 Webster St., San Francisco.
COST, $500

FOUNDATION
(1292) NO. 1904 GREENWICH ST. Construct new foundation.
Owner—Mrs. Louise Tassus, Premises.
Architect—None.
Contractor—P. Hansen, 2502 Union St., San Francisco.
COST, $500

(1293) SW HOLLOWAY AND JULES. One-story and basement frame dwlg.
Owner—McCarthy Co., 316 Bush St., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 2426 32nd Ave., San Francisco.
COST, $3000

FRAME DWELLING
(1294) S HOLLOWAY 25 W Jules. One-story and basement frame dwelling.
Owner—McCarthy Co., 316 Bush St., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 2426 32nd Ave., San Francisco.
COST, $3000

STORES AND OFFICES
(1295) NW MISSION AND TWENTY-ninth. Two-story and basement frame stores and offices.
Owner—G. H. Johnson, 464-A Bartlett St., San Francisco.
Architect—Geo. M. Merritt, 3015 Geary St., San Francisco.
Contractor—Geo. M. Merritt, 3015 Geary St., San Francisco.
COST, $8000

ALTERATIONS
(1296) NO. 711-713 MARKET ST. Alter store fronts; re-arrange partitions; electric wiring, etc.
Owner—City Investment Co., First National Bank Bldg., San Francisco.
Architect—None.
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.
COST, $3000

ALTERATIONS
(1297) SW MASON & NORTH POINT. Alterations and changes for shop.
Owner—Healy Tibbitts Constr. Co., 9 Main St., San Francisco.
Architect—None.
Day's work. COST, $1500

REPAIRS
(1298) NO. 1112 OCTAVIA ST. Repair roof of dwelling.
Owner—M. Richer, 80 Post St., S. F.
Architect—None.
Contractor—H. D. Nichols, 1381 Stevenson St., San Francisco.
COST, $500

RESIDENCE
(1299) NE MILTON AND SPRINGvale. One-story and basement frame residence.
Owner—Richard Schener, 138 6th St., San Francisco.
Architect—None.
Day's work. COST, $800

(1300) W TWENTY-EIGHTH AVE 120 N Lake. Two-story and basement frame dwelling.
Owner—Allen & Co., 168 Post St., San Francisco.
Architect—Earl E. Bertz, 68 Post St., San Francisco.
Day's work COST, $12,000

(1301) W TWENTY-EIGHTH AVE 80 N Lake. Two-story and basement frame dwelling.
Owner—Allen & Co., 168 Post St., San Francisco.
Architect—Earl E. Bertz, 68 Post St., San Francisco.
Day's work. COST, $12,000

ALTERATIONS
(1302) NO. 750 TWELFTH AVE. Extend sun porch on two floors a distance of 5 feet.
Owner—Mrs. Hunter, Premises.
Architect—None.
Contractor—James Low, 76 Coleridge St., San Francisco.
COST, $500

ALTERATIONS
(1303) NO. 2217 UNION. Erect ventilation pipe for hood over griddle and hot plates.
Owner—Sarah R. McPherson, 2296 Filbert St., San Francisco.
Architect—None.
Day's work. COST, $500

RECORDED

CLASS "C" BUILDING
(1304) SE ELEVENTH AND HOWARD S 100xE 145. All work for one-story Class "C" building.
Owner—John and Luke Fay, 1554 Green St., San Francisco.
Architect—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Wm. Martin, 110 Jessie St., San Francisco.
Filed May 14, '20. Dated May 14, '20.
Forms for 1st floor in.....$ 8215.75
Main floor concrete poured.. 8000.00
Brick wall completed to truss level ..... 8000.00
Building roofed and brick work completed ..... 8000.00
Completed and accepted.... 8000.00
Usual 35 days..... 13405.25
TOTAL COST, $53,621.00
Bond, $26,810. Sureties, V. Fassio and Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

EXCAVATING, ETC.
(1305) E VAN NESS AVE 67-6 N Eddy N 25xE 106. Excavating, concrete, carpenter and mill work for one-story and basement reinforced concrete building.
Owner—J. Macowsky.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—J. Spargo, 240 Montgomery St., San Francisco.
Filed May 14, '20. Dated Apr. 15, '20.
Excavation done and concrete poured to 1st floor.....$1000
All concrete poured and ready for roofer ..... 2060
Completed and accepted..... 3000
Usual 35 days..... 2020
TOTAL COST, $8080
Bond, $4040. Sureties, D. J. Sullivan and W. Williams. Limit, 45 days. Forfeit, $15. Plans and specifications filed.
NOTE:—Permit reported April 21, 1920, No. 1039.

PERMITS.

ALTERATIONS
(1306) NO. 2109 BAKER. Alter dwelling into 2 flats.
Owner—Mrs. Harold P. Plummer, Prem
Architect—None.
Contractor—W. W. Redhall, 2500 Filbert St., San Francisco
COST, $2000

ALTERATIONS
(1307) NO. 227 PINE. Alter front; build tile vault in basement of office.
Owner—J. M. Moore, Inc., 233 Pine St., San Francisco.
Architect—B. G. McDougall, 381 Bush St., San Francisco.
Contractor—E. T. Leiter & Sons, 112 Call Bldg., San Francisco.
COST, $5000

ALTERATIONS
(1308) NO. 356 POST. New store front, partitions, etc.
Owner—John J. Muhgin, 119 Grant Ave., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1309) S SACRAMENTO bet. Maple and Cherry. Re-arrange partitions, painting and install steam heating system in Ward.
Owner—Children's Hospital, Premises.
Architect—None.
Contractor—Geo. Healing, 110 Jessie St., San Francisco.
COST, $3000

ALTERATIONS
(1310) NO. 236 STOCKTON. Alter store front,

WANTED TO BUY
Hoisting Engines, Concrete Mixers, Cranes—Draglines Or any Construction Equipment
EQUIPMENT COR. OF AMERICA
Lumber Exchange Building,
Chicago, Illinois

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Owner—A. Zieback, Premises.
Architect—None.
Contractor—L. Salomon, 1430 Ellis St., San Francisco.
COST, $940

ALTERATIONS
(1311) NO. 724 VAN NESS AVE. Install doors, plate glass for auto sales room.
Owner—Colonial Motor Sales Co., Prem
Architect—None.
Contractor—L. Solomon, 1430 Ellis St., San Francisco.
COST, $500

RECORDED
(1312) PIER NO. 34 of the Waterfront Clean and paint passenger and freight shed.

Owner—The Western Pacific Railroad Co., Mills Bldg., San Francisco.
Architect—None.
Contractor—Henry F. Wagner, 530 Gough St., San Francisco.
Filed May 15, '20. Dated May 5, '20.
On completion ..... 75%
Usual 35 days..... 25%
TOTAL COST, $1685
Bond, $845. Surety, National Surety Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES

### San Francisco County

May 8, 1920—THE GOLDEN CITY Theatre, San Bruno Ave. Robert Scholz to Trebino and Petersen .....April 28, 1920
May 8, 1920—S TURK 87-6 W LARKIN W 25 137-6 E 112-6 N 55 W 87-6 N 82-6. J. F. Hetty to N. Andersen .....April 28, 1920
May 8, 1920—1453 MISSION ST. Gantner and Mattern Co. to Taylor & Jackson..... April 29, 1920
May 10, 1920—W TWENTY-EIGHTH Ave. 115 N Anza N 25xW 120. Ulysses S. Simonds to whom it may concern.....May 1, 1920
May 8, 1920—E JULIAN AVE., 125 N-16th N 30xE 125. N. O'Connor to N. Bjorkman.....May 4, 1920
May 10, 1920—SW SACRAMENTO and Gough S 55xW 100. Layfayette Investment Co. to Thos. A. Cavanaugh .....
May 12, 1920—E FAXON AVE 200 S De Montford Ave S 25x112. Jno and Bertha Preston to whom it may concern.....May 12, 1920
May 11, 1920—FRONTAGE OF 41-0½ on California and 92-3 on Front, SW Cor. Mrs E H O'Brien to M E Vukicevich and Spencer Bagge.... .....May 10, 1920
May 13, 1920—N SUTTER bet. Kearny and Montgomery; No. 126 Sutter Geo L Bishop to G P W Jensen.... .....May 12, 1920
May 13, 1920—COMG. 72 FROM NW Van Ness Ave and California W 153 N 193 E 60 S 100 E 93 S 93. Macdonald & Kahn to whom it may concern.....May 10, 1920
May 13, 1920—COMG. 306-2 S Islais and 590 E Third S 100xE 50. Henry W Peabody & Co to Jos Pasqualetti (as American Concrete Co)..... .....May 6, 1920
May 13, 1920—COMG. 306-2 S Islais and 640 E Third S 100xE 50. Balfour Guthrie & Co to Jos Pasqualetti (as American Concrete Co).....May 6, 1920
May 13, 1920—S BUSH 206-3 W Sansome W 68-9xS 137-6. Sarah Rosenstock and Hilda R Nuttall to J Salanave.....May 1, 1920

## LIENS FILED.

### San Francisco County.

May 11, 1920—INTR. MONTEREY & Faxon Ave. Golson Young and Ernest Fish vs Ida McCain.....$65
May 11, 1920—E LARKIN 100 N Post. James H Hardy, Inc vs J S Ourish, J C Hladik and Anna Hladik..$112.18
May 13, 1920—N SILLIMAN 22-6 W Brussel W 22-6xN 100 Ptn Blk 16, Univ Md Survey. Henry Ernest & Sons vs Marguerite F M Coffey... ..... .....$222.50

## NOTICE OF NON-RESPONSIBILITY.

### San Francisco County.

May 10, 1920—NO. 221 AND 223 EDDY St. Morris and Jos. Hyman as to improvements on leased property.

## LEASES.

### San Francisco.

May 14, 1920—NE THIRD AND Stevenson, 23 3rd St. Merc. Trust Co., trustees, Herman Levy dec'd to Spiror Paxnor and Jas. Dravillas; 5 years; $28,000.
May 14, 1920—SE POLK AND FERN
May 13, 1920—NO. 1787 McALLISTER. C C Patterson to Mrs W Braunstein. 5 years. $25 per month.
May 13, 1920—NW TOWNSEND 80 NE Clarence NE 60xN W275. L A Norris Co to Winchester Repeating Arms Co. 10 years. $90,000.
May 10, 1920—N POST 137-6 W Franklin W 85xN137-6. Annie Ewavnel to Earl P. Cooper, Inc. 4 years. $350 per month, etc.
May 11, 1920—NO. 192 TO 198 THIRD St. and 700 to 706 Howard. Wm Hendrickson Jr to Carrie H Gibbs. 5 years. $31,200.

## LEASE MADE ON LOWER POWELL STREET.

### Ackerman and Harris Candy Syndicate Make Initial Move For Retail Stores.

Following the announcement that a syndicate composed of Ackerman and Harris, the theatrical owners, Chas. Brown, A. C. Blumenthal, I. Prager and others, had planned to go into the retail candy business on the Pacific Coast on a large scale, the announcement is made by A. C. Blumenthal & Co. that a ten year lease has just been consumated with the Union Trust Company, acting for the Pope Estate, for a store now occupied by the California Bakery, with a forty-four foot frontage on the west side of Powell street between Eddy and Ellis streets, at a gross rental of a quarter of a million dollars. It is the intention of the Syndicate to make this one of the most handsomely fitted up candy and refreshment palaces on the Pacific Coast. Approximately $100,000 will be spent on the fixtures and furnishings.

Simultaneously with this announcement, the same syndicate have leased a store at Seventh and Broadway, Los Angeles, and will announce another location in San Francisco and in Fresno within a few weeks.

## HIGHWAY COMMISSIONS APPROVE ROAD PLANS.

WASHINGTON.—Continuation of the present plan for development of good roads by joint appropriations by the government and the states was advoeated before the senate postoffice committee by representatives of highway commissions of twelve states, including Alabama, North Carolina, Texas, Oklahoma, Missouri, Indiana, Iowa, Kansas, Nebraska, Minnesota, South Dakota and Vermont. They opposed the Townsend bill proposing creation of a federal highways commission.

## FIRM DONATES SCHOOL TRACT.

An entire block of land will shortly he presented to the city by the Residential Development Company. This announcement was made at a meeting of the Westwood Park Association, at which several hundred lot owners and residents of Westwood Park were present.

It was the first annual meeting of the Westwood Park Association. Five directors were elected. They were: Willard W. Beatty, Mrs. J. Richard Kemp, Clarence F. Pratt, Luther L. Yates and W. P. Laufenberg. Their re-election was a complete endorsement of the valuable services which they have rendered in the past

Willard W. Beatty, chairman, announced the generous offer the directors had obtained for Westwood Park from the Residential Development Company of a block of land fronting on Monterey blvd., opposite the northerly entrance gates of Westwood Park. Beatty stated that it was the unanimous desire of the residents of Westwood Park to obtain a site for a school and a playground, and that after conferring with several of the directors of the Residential Development Company, a promise had been given that the block of land in question, which has a frontage of 250 feet on Monterey blvd. and over 600 feet on Plymouth and Yerba Buena aves., would be presented to the city if some assurance could be given that a public playground would be constructed on it, and also that at least one unit of a school building would be built without delay.

## WARD LUMBER COMPANY INCORPORATED FOR $500,000.

MODESTO, Cal.—Articles of incorporation of the Ward Lumber company, have been filed in the office of County Clerk Benson, with R. O. Deacon of Fresno, W. L. Ward of Modesto and G. H. Ward of Fresno as directors.

The new company is capitalized at $500,000, divided into 5000 shares of the par value of $100 each. Three shares of stock have been subscribed.

## CALIFORNIA INDUSTRIES ASSOCIATION.

### Newly Elected President Addresses the Membership.

Gentlemen:

At the last meeting of the Board of Directors of the California Industries Association, I had the honor of being elected President. While I appreciate the honor which has been bestowed upon me, I realize the importance of the position and the responsibility that goes with it.

We have a great wor kto perform in building up the industries of the State of California, for after all any growth which is made by the industries means a greater volume of business to every one in business in the State, whether it he the Manufacturer, Wholesaler, or Retailer. Bigger payrolls mean more to us than any other single item in connection with our industrial business.

It is the aim of the California Industries Association to become a vital State-wide organization, having at all times the interest in the growth of the entire State.

We have a great work to perform in sible bring home to the people of this State, the importance of California Industries, thereby creating a pride in our industries and securing an unselfish collective support for greater payrolls.

To how great an extent our Association can go toward advertising to the people of this State this idea depends entirely upon the amount of money available, our only revenue comes from the dues of our members. Just what I, as President of your Association, can do to assist you in the building up of your business depends upon the support I receive from you.

I solicit your suggestions and trust that I may have your full support in the work in which we are greatly interested.

Yours for Greater Markets,
CALIFORNIA INDUSTRIES ASSOCIATION
F. D. FAGAN, President.

# BUILDING CONTRACTS

## Alameda County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 1061 | Sellers | Tupper | 4000 |
| 1062 | Hipsley | Owner | 1300 |
| 1063 | Kennedy | Spencer | 5000 |
| 1064 | Turner | Owner | 600 |
| 1065 | Po Sang | Okd. Ref. | 3000 |
| 1066 | Reihl | Shrader | 491 |
| 1067 | Button | Owner | 4500 |
| 1068 | Herbert | Owner | 400 |
| 1069 | Marquis | Owner | 3000 |
| 1070 | Balke | Owner | 500 |
| 1071 | Hillen | Owner | 11700 |
| 1072 | Kauffman | Quigley | 897 |
| 1073 | Met. Life Ins | Bay | 500 |
| 1074 | Federal Elec | Owner | 3500 |
| 1075 | Silva | Francis | 3200 |
| 1076 | Cal Pack'g | Christensen | 6000 |
| 1077 | Allen | MacDonald | 100000 |
| 1078 | O'Connell | Owner | 500 |
| 1079 | Witham | Louis | 500 |
| 1080 | Anderson | Owner | 1158 |
| 1081 | Nelson | Owner | 3500 |
| 1082 | Zile | Tullock | 2700 |
| 1083 | Haste | Hopper | 12000 |
| 1084 | Caldwell | Kidder | 412 |
| 1085 | Stephenson | Texdahl | 2498 |
| 1086 | 1st Svgs. Bk. | Cal. Art. | 7340 |
| 1087 | 1st Svgs. Bk. | Kulchar | 1650 |
| 1088 | 1st Svgs. Bk. | Denivelle | 2500 |
| 1089 | Zile | Tullock | 2700 |
| 1090 | Nelson | Owner | 1000 |
| 1091 | Calden | Wieslander | 2500 |
| 1092 | Brenner | Scott | 900 |
| 1093 | Woodburn | Owner | 8000 |
| 1094 | Gray | Owner | 1500 |
| 1095 | Bauman | Owner | 400 |
| 1096 | Dodge | Sorenson | 1000 |
| 1097 | Bargguist | Owner | 600 |
| 1098 | Young | Owner | 450 |
| 1099 | Griffen | Randlett | 3000 |
| 1100 | Same | Same | 2000 |
| 1101 | King | Peterson | 22966 |
| 1102 | Orr | Pearson | 700 |
| 1103 | Murray | Murray | 4000 |
| 1104 | Forrest | Perkins | 5000 |
| 1105 | Griswold | Olson | 3000 |
| 1106 | Casedy | Casedy | 1000 |
| 1107 | Furlong | Owner | 4200 |
| 1108 | Fratis | Poe | 3200 |
| 1109 | Koester | Owner | 3000 |
| 1110 | Balaseck | Tanner | 1000 |
| 1111 | Lorian | Clark | 3000 |
| 1112 | Cavarly | Schwalm | 1880 |
| 1113 | Havenscourt | Hollenbeck | 36460 |
| 1114 | Burg | Johanson | 5687 |
| 1115 | Rawlings | Doell | 1391 |
| 1116 | Waas | Nunes | 600 |
| 1117 | Purdy | Anderson | 500 |
| 1118 | Barton | Owner | 400 |
| 1119 | Street | Short | 4500 |
| 1120 | Oudey | Gossett | 1000 |
| 1121 | Williams | Morse | 1405 |
| 1122 | Union Const. | Thornalley | 30000 |
| 1123 | Haler | Owner | 16000 |
| 1124 | Stingell | Huddleston | 500 |
| 1125 | Kempkey | Allen | 8350 |

DWELLING
(1061) E ADELINE ST., 60 S 59th St., Oakland. One-story five-room dwelling.
Owner—S. A. Sellers, 3023 Benvenue, Berkeley.
Architect—None.
Contractor—T. M. Tupper, 2310 Russell St., Berkeley.
COST, $4,000

WAREHOUSE
(1062) S E-14th ST., 81 W 86th AVE., Oakland. One-story warehouse.
Owner—M. J. Hipsley, 8537 E-14th St., Oakland.
Architect—None.
Day's work. COST, $1,300

DWELLING
(1063) E HARVARD ROAD 80 S Anverly Road, Oakland. Two-story five-room dwelling.
Owner—Louis J. Kennedy, 91 Rose Ave., Piedmont.
Architect—None.
Contractor—E. A. Spencer, 577 Apgar St., Oakland.
COST, $5,000

ADDITION
(1064) NO. 1919 NINTH AVE., Oakland. Addition.
Owner—J. F. Turner, premises.
Architect—None.
Day's work. COST, $600

ICE CHEST
(1065) SW COR. NINTH AND BROADway, Oakland. Ice chest.
Owner—Po Sang Co
Architect—None
Contractor—Oakland Refrigerator Co., 2766 Grove St., Oakland.
COST, $3,000

REPAIRS
(1066) NO. 658 VERNON ST., Oakland. Fire repairs.
Owner—Mrs. M. W. Reihl, premises.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland.
COST, $491

DWELLING AND GARAGE
(1067) S ASHBY AVE., 100 E HILLEgass, Berkeley. One-story dwelling and garage.
Owner—Frank Button, 1536 Oxford St., Berkeley.
Architect—None.
Day's work. COST, $4,500

GARAGE
(1068) S ADAMS 130 S Euclid. Oakland. Garage.
Owner—E. H. Herbert, 255 Euclid, Oakland.
Architect—None.
Day's work. COST, $400

DWELLING
(1069) S COURTLAND AVE 125 W High, Oakland. One-story 5-room dwelling.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
(1070) FORTIETH AVE AND WATTling, Oakland. Alterations.
Owner—G. Balke, 2235 Boehmer St., Oakland.
Architect—None.
Day's work. COST, $500

DWELLINGS
(1071) N FOOTHILL BLVD. 130, 170 and 210 W Vicksburg, Oakland. Three one-story 5-room dwellings.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3900 each

ADDITION
(1072) NO. 286 LEE ST., Oakland. Addition.
Owner—Mrs. Geo. Kauffman, Premises.
Architect—None.
Contractor—Chas. E. Quigley, 464 Van Buren Ave., Oakland.
COST, $997

ALTERATIONS
(1073) SIXTEENTH AND SAN PABLO Ave., Oakland. Alterations.
Owner—Metropolitan Life Insurance Co., 1st Savings Bank Bldg., Okd.
Architect—None.
Contractor—Bay City Cabinet Co., 1080 5th St., Oakland.
COST, $500

ROOF SIGN
(1074) NO. 1532 SAN PABLO AVE., Oakland. Roof sign.
Owner—Federal Electric Co., 1737 Telegraph Ave., Oakland.
Architect—None.
Day's work. COST, $3500

DWELLING
(1075) E SEVENTY-FOURTH AVE 951 N E-14th St., Oakland. One-story 5-room dwelling.
Owner—John Silva, 1600 Seminary Ave. Oakland.
Architect—None.
Contractor—E. O. Francis, 4315 E-12th St., Oakland.
COST, $3200

BOILER HOUSE
(1076) SW THIRD AND FILBERT Sts., Oakland. One-story brick boiler house.
Owner—California Packing Corp., 101 California St., San Francisco.
Architect—None.
Contractor—C. Christensen & Son, 351 12th St., Oakland.
COST, $6000

SALES BUILDING
(1077) NW TWENTY-FIRST AND Webster, Oakland. Three-story reinforced concrete automobile sales building.
Owner—L. D. Allen, 1625 Van Ness Ave., San Francisco.
Architect—None.
Contractor—MacDonald & Kahn, 907 Rialto Bldg., San Francisco
COST, $100,000

ADDITION
(1078) NO. 3811 THIRTY-NINTH AVE. Oakland. Addition.
Owner—Wm. O'Connell.
Architect—None.
Day's work. COST, $500

GARAGE
(1079) NO. 1965 THIRTY-FIFTH AVE Oakland. Garage.
Owner—Wm. Witham, Premises.
Architect—None.
Contractor—Wm. C. Louis, 4016 Piedmont Ave., Oakland.
COST, $500

FIRE REPAIRS
(1080) NO. 1104 TWENTY-FIRST ST., Oakland. Fire repairs.
Owner—L. Anderson, Premises.
Architect—None.
Day's work. COST, $1158

DWELLING
(1081) W VAN DYKE 100 S Brooklyn, Oakland. One-story 5-room dwelling.
Owner—Oscar Nelson, 1327 Myrtle St., Oakland.
Architect—None.
Day's work. COST, $3500

DWELLING
(1082) S WALNUT 250 W 98th Ave., Oakland. One-story 4-room dwlg.
Owner—Antonio Zile.
Architect—None.
Contractor—H. Tullock, 2445 24th Ave., Oakland.
COST, $2700

RESIDENCE
(1083) CRAIG & HIGHLAND AVES., Piedmont. Two and one-half-story frame residence.
Owner—Mrs. Julia I. Haste, 110 Mesa Ave., Piedmont.
Architect—None.
Contractor—M. E. Hopper, 12 Linda St., Oakland.
COST, $12,000

(1084) NO. 2730 DERBY ST., Berkeley. Garage.
Owner—Mrs. Caldwell.
Architect—None.
Contractor—H. C. Kidder, 2075 Addison St.
COST, $412

DWELLING
(1085) NO. 2514 HASTE ST., Berkeley. One-story three-room dwelling.
Owner—Thos. J. Stepenson, 2514 Haste St., Berkeley.
Architect—None.
Contractor—C. Texdahl, 226 Acton Place, Berkeley.
COST, $2,498

REMODELING
(1086) SE COR SIXTEENTH ST. and San Pablo Ave., Oakland. All ornamental iron and bronze work for remodeling bank room.
Owner—First Savings Bank of Oakland, acting through agent P. J. Walker Co., Monadnock Bldg., San Francisco.
Architect—Geo. W. Kelham, Sharon Bldg., San Francisco.
Contractor—California Artistic Metal & Wire Co.,
Filed May 10, '20. Dated April 12, '20. Tenth day of each month.....75%
Usual 35 days.....25%
TOTAL COST, $7,340
Bond, $3,670. Sureties National Surety Co. Limit. none. Forfeit. none. Plans and specifications filed.
NOTE:—Permit reported May 10, 1920, No. 1053.

ALAMEDA CONTRACTS.....
(1087) MILL WORK, CABINET WORK, rough carpentry, etc., on above.
Contractor—S. Kulchar (S. Kulchar & Co.), 8th Ave and E-10th St., Okd.
Filed May 10, '20. Dated Apr. 12, '20. Payments same as above.....
TOTAL COST, $1650
Bond, $——. Surety, Hartford Accident & Indemnity Co. Limit. forfeit. none. Plans and specifications filed.

(1088) LATHING AND PLASTERING on above.
Contractor—Paul E. Denivelle, 280 Golden Gate Ave., San Francisco.
Filed May 10, '20. Dated Apr. 12, '20. Payments same as above.....
TOTAL COST, $2500
Bond, $1250. Surety, London & Lancashire Indemnity Co. of America. Limit. forfeit. none. Plans and specifications filed

DWELLING
(1089) S WALNUT 191 W 98th Ave 50x150, Oakland. All work for one-story frame dwelling.
Owner—Antonio Zile, 1711 Goss St., Oakland.
Architect—None.
Contractor—H. Tullock, 2445 24th Ave., Oakland.
Filed May 10, '20. Dated May 1, '20.
Contract signed .....$1000
Brown coated ..... 850
Usual 35 days..... 850
TOTAL COST, $2700
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ADDITION
(1090) NO. 5602 EDGERLY ST., Oakland. Addition.
Owner—T. G. Nelson, premises.
Architect—None.
Day's work. COST, $1,000

ALTERATIONS
(1091) NO. 4127 GILBERT ST., Oakland. Alterations and addition to dwelling.
Owner—Guy C. Calden, premises.
Architect—None.
Contractor—J. D. Wieslander, 4102 Gilbert St., Oakland.
COST, $2,500

ALTERATIONS
(1092) NO. 1065 Lakeshore Ave., Oakland. Alterations.
Owner—L. J. Brenner, premises.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland.
COST, $900

DWELLING.
(1093) E PARK BLVD., 125 AND 165 N Hampel, Oakland. Two-story six-room dwelling.
Owner—Paul C. Woodburn, 3965 Greenwood Ave., Oakland.
Architect—None.
Day's work. COST, $4,000 each

GARAGE
(1094) NE COR. RACINE AND SIXTY-third St., Oakland. Garage.
Owner—W. D. Gray, 705 6th St., Oakland.
Architect—None.
Day's work. COST, $1,500

ADDITION
(1095) NO. 1544 THIRTY SECOND ST., Oakland. Addition.
Owner—Mrs. Barbara Bauman, 2895 Hannah St., Oakland.
Architect—None.
Day's work. COST, $400

ADDITION
(1096) NO. 64 PANORAMIC, Berkeley. Addition.
Owner—F. Dodge.
Architect—None.
Contractor—Walter Sorensen, 3219 Ellis St., Berkeley.
COST, $1000

DWELLING
(1097) NO. 2330 SAN PABLO AVE. (rear), Berkeley. One-story 5-room dwelling.
Owner—John Bargguist, Premises.
Architect—None.
Day's work., COST, $600

ADDITION
(1098) NO. 3254 MADISON ST., Alameda. Addition.
Owner—J. H. Young, 3937 E-14th St., Alameda.
Architect—None.
Day's work. COST, $450

GARAGE
(1099) NO. 1232 BAY ST., Alameda. Garage.
Owner—W. C. Griffen, 1621 Santa Clara Ave., Alameda.
Architect—None.
Contractor—E. A. Randlett, 1534 Chestnut St., Alameda.
COST, $3000

ADDITION
(1100) NO. 1232 BAY ST., Alameda. Addition.
Owner—W. C. Griffen, 1621 Santa Clara Ave., Alameda.
Contractor—E. A. Randlett, 1534 Chestnut St., Alameda.
COST, $2000

DWELLING AND GARAGE
(1101) S LINCOLN AVE., 182.95 W Crocker Ave., W 116 S 110.32 NE 150.11 NW 104.70, Piedmont. All work for two-story basement and attic dwelling and garage.
Owner—A. D. King, 348 Vernon, Oakland.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—Alfred Peterson, Oakland.
Filed May 11, '20. Dated May 11, '20.
On 12th and 27th day of each month .....75%
Usual 35 days.....25%
TOTAL COST, $22,966
Bond, $11,483. Lawrence De Luchi and Oscar L. Zeis. Limit, 110 days. Forfeit, $5.00. Plans and specifications filed.

GARAGE
(1102) 284 EUCLID AVE., Oakland. One-story concrete garage.
Owner—C. M. Orr.
Architect—None.
Contractor—Ben Pearson, 2403 Grant St. Berkeley.
COST, $700

ALTERATIONS
(1103) W EIGHTY-EIGHTH AVE., 197N-Olive St., Oakland. One-story six-room dwelling.
Owner—Mathilde C. Murray, 1261 Lombard St., San Francisco.
Architect—None.
Contractor—Thomas Murray, 1261 Lombard St., San Francisco.
COST, $4,000

ADDITION
(1104) S FORD, 150 W-DERBY, Oakland. Frame addition to building.
Owner—Edwin Forrest Forge Co.
Architect—None.
Contractor—G. S. Perkins, 1212 Hearat Bldg. San Francisco.
COST, $5,000

DWELLING
(1105) E-FIFTY-SEVENTH AVE., 75 S-Bond St., Oakland. One-story six-room dwelling.
Owner—Mrs. C. Griswold, 2318 57th Ave., Oakland.
Architect—None.
Contractor—A. P. Olson, 2102 57th Ave., Oakland.
COST, $3,000

ALTERATIONS
(1106) 5681 Ocean View Drive, Oakland. Alterations.
Owner—Katherine D. Casedy, 134 Sunnyside Ave., Piedmont.
Architect—None.
Contractor—R. F. Casedy, 134 Sunnyside Ave., Piedmont.
COST, $1000

DWELLING
(1107) E-PARK BLVD., 200 S EVERett, Oakland. One-story five-room dwelling.
Owner—Furlong & Budd, 1150 7th Av., Oakland.
Architect—None.
Day's work. COST, $4200

DWELLING
(1108) W-SIXTY-SEVENTH AVE., 100 S Flora, Oakland. One-story five-room dwelling.
Owner—Marion Fratis, 1514 88th Ave., Oakland.
Architect—None.
Contractor—Albert L. Poe, 10165 Pippin St., Oakland.
COST, $3200

DWELLING
(1109) N WENTWORTH, 300 E Princeton, Oakland. One-story four-room dwelling.
Owner—Chas. J. E. Koester, 378 Hayes St., San Francisco.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
(1110) NO. 1131 DELAWARE ST., Berkeley. Alterations.
Owner—J. Balaseck, premises.
Architect—None.
Contractor—F. Tanner, 1118 Delaware, Berkeley.
COST, $1000

DWELLING
(1111) SW HARMON AVE., 223 NW 62nd Ave., NW 37-6 SW 100, Oakland. All work for One -story four-room dwelling.
Owner—Josephine G. Lorian, 3325 E-10th St., Oakland.
Architect—None.
Contractor—H. Clark, 5805 Harmon Ave., & T. Bostock, 5720 Elizabeth St., Oakland.
Filed May 13, '20. Dated May 11, '20.
Frame up.....¼
Brown coated .....¼
Completed and accepted.....¼
Usual 35 days.....¼
TOTAL COST, $3000
Bond, none. Limit 60 days. Forfeit, none. Plans and specifications filed

GARAGES
(1112) LOT 6 BLK 23, Lakeside Tract, Oakland. All work for six concrete garages.
Owner—Evelyn Cavarly, Oakland.
Architect—Schirmer Bughee & Co., Thayer Bldg., Oakland.
Contractor—Harr Schwalm, Hayward.
Filed May 13, '20. Dated May 5, '20.
Roof on .....$705
Completed and accepted..... 705
Usual 35 days..... 470
TOTAL COST, $1880
Bond, none. Limit, 40 days. Forfeit, none. Plans only filed.

DWELLINGS
(1113) (1) LOT 64 and SW 12½ Lot 63 Blk 2; (2) Lot 7 and SW 5 Lot 8 Blk 9; (3) Lot 16 and SW 5 Lot 17 Blk 9; (4) NE 30 Lot 17 and SW 10 Lot 18 Blk 9; (5) NE 30 Lot 8 and SW 10 Lot 9 Blk 9; (6) Lot 5 Blk 18; (7) NE 20 Lot 110 and SW 20 Lot 111 Blk 25; (8) NE 10 Lot 108 all Lot 109 and SW 5 Lot 110 Blk 25; (9) Lot 106 and SW 15 Lot 107 Blk 23; (10) NE 10 Lot 107, all Lot 108 and SW 5 Lot 109 Blk 23, Map Havenscourt, Oakland. All work for ten one-story dwellings.
Owner—Havenscourt Co.
Architect—Reed & Corlett, Oakland Bk of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 3516 Richmond Ave., Oakland.
Filed May 13, '20. Dated May 13, '20.
Owner pays for material and labor
TOTAL COST, not over $36,460; Contractor gets 6%.
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1114) LOT 90 BLK 1, Lakeshore Highlands. All work for one-story five-room dwelling.
Owner—Gustaf F. and Etta Ruth Burg, 1021 Shattuck Ave., Berkeley
Architect—L. M. Gardner, 942 Pine St., San Francisco.
Contractor—Gustaf Johanson, 1357 Northside St., Berkeley.
Filed May 13, '20. Dated May 12, '20.
Frame up ..... ¼
Brown coated ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $5687
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

DWELLING, ETC.
(1115) LOT 8 Resubdivision Lots 18 to 27 incl. Map Crocker Tract, Piedmont. Plumbing, gas fitting and water piping for two-story and basement dwelling and garage.
Owner—Jane P. Rawlings, 40 Grand Ave., Oakland.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—Carl T. Doell, 467 21st St., Oakland.
Filed May 13, '20. Dated May 11, '20.
Roughed in .....$521.50
Completed and accepted..... 521.50
Usual 35 days..... 348.75
TOTAL COST, $1391.75
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1116) NO. 5416 BRYANT AVE., Oakland. Alterations.
Owner—A. Waas, 5308 Boyd Ave., Oakland.
Architect—None.
Contractor—Geo. W. Nunes, 5130 Dover St., Oakland.
COST, $600

GARAGE
(1117) NO. 1835 EIGHTH AVE., Oakland. Garage.
Owner—M. Purdy, Premises.
Architect—None.
Contractor—A. Frederick Anderson, 4332 Leach Ave., Oakland.
COST, $500

GARAGE
(1118) NO. 931 MARKET ST., Oakland. Garage.
Owner—A. J. Barton, 1125 6th Ave., Oakland.
Architect—None.
Day's work. COST, $400

FRAME DWELLING
(1119) LOT 10 BLK "C," Lakewood Park, Piedmont. Two-story frame dwelling.
Owner—E. C. Street, 63 Montell St., Oakland.
Architect—None.
Contractor—C. W. Short, 536 Magnolia Ave., Oakland. COST, $4500

ALTERATIONS
(1120) NO. 2627 TELEGRAPH AVE., Berkeley. Alterations.
Owner—Gertrude Belle Oudey, Prem.
Architect—None.
Contractor—J. H. Gossett, 2022 Washington Ave., San Leandro. COST, $1000

ALTERATIONS
(1121) NO. 1410 SCENIC AVE., Berkeley. Alterations and additions.
Owner—E. T. Williams, Premises.
Architect—None.
Contractor—T. O. Morse, 1398 Scenic Ave., Berkeley. COST, $1400

MOLD LOFT
(1122) KEY ROUTE BASIN, Oakland. Three-story mold loft.
Owner—Union Construction Co.
Architect—None.
Contractor—W. G. Thornalley, 351 12th St., Oakland. COST, $30,000

APARTMENTS
(1123) NO. 754 RAND AVE., Oakland. Two-story twenty-four-room apartments.
Owner—H. W. Haler, 559 16th St., Oakland.
Architect—None.
Day's work. COST, $16,000

ADDITION
(1124) NO. 3715 E-FOURTEENTH ST., Oakland. Addition.
Owner—Lou Stingell, 40th Ave., Oakland.
Architect—None.
Contractor—O. R. Huddleston, 3715 E-14th St., Oakland. COST, $500

GARAGE
(1125) SE ELEVENTH AND FRANKlin, Oakland. One-story brick garage.
Owner—Catherine C. Kempkey, 224 Mountain Ave., Piedmont.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley. COST, $8350

## COMPLETION NOTICES

### Alameda County

May 8, 1920—SE FIFTY-FIFTH Ave. 107 S Walnut St., SW 36½ E-110 Oakland. George J. Kniese to E. D. Bassett.....May 1, 1920
May 10, 1920—LOT 113 MAP Piedmont by the lake, Oakland. Earl B. Leonard and Henry W., Haler to whom it may concern.....May 7, 1920
May 12 1920—E EUCLID AVE., 50 N Ridge Road, Berkeley. Bessie Gallagher to Mathew Morton.....May 3, 1920
May 12, 1920—E ½ LOT 3 BLK 3. Map Broadmoor, San Leandro. E E Linthicum to Ben F Kopf. May 10, '20
May 13, 1920—PORT LOT 14, Fourth Ave., Heights Tract, Oakland Grace M. and Franklyn E. Smith to H. S. Pratt....April 20, 1920
May 13, 1920—LOT 3 BLK. F, GRAND Ave. Heights, Oakland. Arthur I. Bell to Guy Taylor.....April 30,1920
May 13, 1920—E 37½ LOT 6, BLK. 3, East Piedmont Heights Extension, Oakland. William J. Baker to whom it may concern.....May 12, 1920
May 14, 1920—COR. PARK AVE AND Harlan St., Oakland. Western Canning Co. P. J. Walker Co. Agt. to The Turner Company.....May 10, 1920
May 14, 1920—COR. PARK AVE. and Harlan St., Emeryville. Western Canning Co., P. J. Walker Co., Agent to The Turner Company.....May 5, 1920
May 14, 1920—SE COR. FRANCISCO and Grant Sts., thence 80 along S 1 Francisco St. for pt begining E40x S 75, Berkeley. C. O. Erickson to whom it may concern...May 10, 1920

### LIENS FILED.

### Alameda County

May 8, 1920—PORT LOTS C and D Rancho, San Ramon, Pleasanton Tp. H. Arendt & Co. vs. Jas. W. Henry & C. F. Fischer.....$50.27
May 10, 1920—E FRANKLIN ST. 60-3 N 14th St. N 145-9 E 150 S 145-9 right angles 47-10½ S 60-3 W 30-6 N 60-3 W 71-7½, Oakland. Wm. J. Baccus vs. R. H. Branch & M. Coffer (Branch & Coffer) Archon Co.....$6124.48
May 10, 1920—LOT 9 BLK 1. Northbrae. Pacific Mfg Co vs E H and Martha S Foster.....$464
May 11, 1920—NE E-TWELFTH 100 SE 13th Ave SE 75xNE 200, Okd. M F Deach vs Vesta N Nickel and A L Young .....$175
May 11, 1920—E STANNAGE AVE 100 N Garfield S 50xE 100, Albany. Sunset Lumber Co vs Mary S and Edward Marsh .....$155.93
May 11, 1920—N E-THIRTY-SEVenth 95 W Woodruff Ave W 35xN 105, Okd. D S Childers vs A Stenbro .....$380.33
May 11, 1920—W WOODRUFF AVE 35 N E-37th N 35xW 95, Okd. D S Childers vs Chas F Brown.....$342.16
May 11, 1920—W WOODRUFF AVE 70 N E-37th N 35.25xW 95. Okd. D S Childers vs Chas F Brown..$371.20
May 11, 1920—W 35 LOT 20 Map Wilmarth Park, Okd. D S Childers vs Chas F Brown.....$297.03
May 11, 1920—LOT 22 Map Wilmarth Park, Okd. D S Childers vs A Stenbro .....$208.87
May 12, 1920—W NEILSON, 74 N Washington N 26.07 W 100, Oakland Tp. Mark Lally Co. vs. V. Carlson & G. Sweetman.....$102.61
May 12, 1920—W NEILSON, 100.07 N Washington, N 25xW 100, Oakland Tp. Mark Lally Co. vs. V. Carlson & G. Sweetman.....$102.61
May 12, 1920—W RAMONA, 120 S Marin Ave., S 40x120, Albany. Mark Lally Co. vs. Geo. Sweetman and A. Ruis.....$102.61
May 12, 1920—S 32 FT. LOT 12 AND N 4 ft. Lot 13, Bk. 32, Amended Map Fairmont Tract, Albany. Mark Lally Co. vs. Mary and Brooks C. Parker, Geo. Sweetman, A. Hendrickson and Margt. C. Harris .....$102.61
May 12, 1920—S 36 FT. LOT 13, BK. 32, Amended Map Fairmont Tract, Albany. Mark Lally Co. vs. Mary and Brooks C. Parker, Geo. Sweetman, A. Hendrickson and John Chas. Griffiths.....$102.61

### BUILDING CONTRACTS.

### Santa Clara County.

ALTERATIONS
COR. FIRST AND SAN ANTONIO, San Jose. Alterations.
Owner—C. M. O'Brien.
Architect—None.
Contractor—E. Ellingson, 110 Jessie St., San Francisco. COST, $2,100

ALTERATIONS
NO. 364 W SAN CARLOS, San Jose. Alterations.
Owner—Louis Budrois, 364 W San Carlos, San Jose.
Architect—None.
Day's worl COST, $1000

### COMPLETION NOTICES.

### Santa Clara County.

May 11, 1920—NO. 626 RANDOL Ave., San Jose, Calif. Clyde Alexander to whom it may concern.....May 10, 1920
May 7, 1920—SAN JOSE. A. K. Burkett to whom it may concern.....May 7, 1920
May 7, 1920—SAN JOSE. William R. Gilbert ot whom it may concern.....May 7, 1920
May 12, 1920—126 S-FIRST ST., San Jose, Calif. The Thomas Drug Co. to G. M. Latta.....May 6, 1920

### BUILDING CONTRACTS.

### Fresno County.

ALTERATIONS
NO. 917-19 VAN NESS AVE., Fresno. Alter front.
Lesee—Economy Meat Co., Premises.
Architect—None.
Contractor—Pritchard Bros., 623 Ferger St., Fresno. COST, $1000

FOUNDRY
LOTS 2, 3 AND 4 BLK 17, Blackstone Villa, Fresno. Foundry.
Owner—L. G. Perkins, 515 Blackstone St., Fresno.
Architect—None.
Day's work. COST, $3000

FRAME DWELLING
NO. 2035 SARAH ST., Fresno. Frame dwelling.
Owner—V. J. Schwab, Fresno.
Architect—None.
Day's work. COST, $2000

REPAIRS
NO. 1060-1064 A ST., Fresno. Repairs.
Owner—Joe Romano, Fresno.
Architect—None.
Day's work. COST, $1000

ALTERATIONS
NO. 1201 J ST., Fresno. Alterations.
Owner—A. D. Green, Jensen and West Sts., Fresno.
Architect—None.
Contractor—A. Allen, 259 Blackstone St., Fresno. COST, $2000

DWELLING
925 TULARE ST., Fresno. Frame dwelling.
Owner—Tony Cerone, 945 Tulare St., Fresno.
Day's work. COST, $1,500

DWELLING AND GARAGE
LOT 6, BK. 13 HAZLEWOOD, Fresno. Frame dwelling and garage.
Owner—N. E. Wilkinson, Fresno.
Architect—None.
Day's work. COST, $4,000

REPAIRS
LOTS 29 TO 32 BK 91, Fresno. Repairs.
Owner—Woodman Lodge, Van Ness Cor. Tuolumne, Fresno.
Architect—None.
Contractor—E. J. Farr, 245 Forthcamp, Fresno. COST, $7,000

DWELLING
1542 "A" ST., Fresno. Frame dwelling.
Owner—Joe Papuleo, 1540 "A" St., Fresno.
Architect—None.
Day's work. COST, $1400

DWELLING AND GARAGE
MADREN PARK LOTS 39, 40, Fresno. Frame dwelling and garage.
Owner—G. H. Crain, 1379 Glenn, Fresno.
Architect—None.
Contractor—A. M. Chitty, 320 Poplar, Fresno. COST, $4000

DWELLING
S½ OF N ½ OF NW ¼ OF SECTION 27-15-21, Fresno. Frame dwelling.
Owner—Markar Kandarian.
Architect—None.
Contractor—Boornazian Bros., ——. COST, ——

DWELLING
LOT 2, BK. 24, HAZLEWOOD, Fresno. Frame dwelling.
Owner—Thos. Montgomery, 274 Thesta, Fresno.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
LOTS 5, 6, 7, BK. 82, Fresno. Alterations.
Owner—Fresno Publishing Co., Tulare and Van Ness, Fresno.
Architect—None.
Contractor—R. Pedersen Co., 446 Clark St., Fresno. COST, $45,000

REMODEL
ROOSEVELT ST. BET. OPHIR AND Sierra Nevada, Stockton. Remodel.
Owner—D. Natoli, Stockton.
Architect—None.
Day's work. COST, $1,500

### COMPLETION NOTICES.

**Fresno County.**

Recorded Accepted
May 8, 1920—LOT 9, Normal Villa, Fresno. P. E. Woodward to whom it may concern.....May 8, 1920
May 7, 1920—LOT 12, BK. 33, ALTA Vista Tract, Fresno. Augusta Reeder .....
May 6, 1920—LOTS 4 to 28, Bk. 9, Lots 30 to 33, 26, 27, Bk. 8 La Sierra Tract, Fresno. Central California Land & Imp., Co. to whom it may concern....May 5, 1920
May 7, 1920—RECREATION PARK Tract, 14 dwellings and 7 dwellings in Kearney Blvd. Heights Tract, Fresno. Fresno Bldg. Corp. .....May 6, 1920
May 11, 1920—LOTS 30, AND 31 BLK 6, Van Ness Heights, Fresno. J A Wylie to whom it may concern... .....April 28, 1920
May 10, 1920—LOTS 7 AND 8 BLK 4, Alhambra Tract, Fresno. W A Mosgrove Jr and F L Pettey to whom it may concern....May 8, 1920
May 11, 1920—BLK. 50 MENDOTA, Fresno County. Mendota Grammar School District to whom it may concern .....May —, ——

### LIENS FILED.

**Fresno County.**

May 13, 1920—LOT 25, 26 BLK. 40 Arlington Heights Tract, Fresno. Iver Hansen vs. W. B. Woods.... .....$137
May 8, 1920—LOT 201, FORKNER-Giffin Fig Gardens Sub. 1, Fresno. Fresno Hardware Co. $181; Valley Lumber Co. $1,045; Geo. A. Faris $109; Madary's Planing Mill $1,-155; Fisher-Glassford Hardware Co. $47 and W. F. Jennings $790 vs. Ella S. & P. S. Keil.....

### BUILDING CONTRACTS.

**Sacramento County.**

FRAME FLATS
NO. 2000 O ST., Sacramento. Two-story frame (4 3-room flats and 3 stores).
Owner—Chas. Lauffer, Premises.
Architect—None.
Contractor—Simmonds & Birdsall, 4715 M St., Sacramento.
COST, $12,500

FRAME DWELLING
NO. 2417 EIGHTEENTH ST., Sacramento. One-story 5-room frame dwelling
Owner—F. Fredolmo, 2413 18th St., Sacramento.
Architect—None.
Contractor—C. Vanina, 2022 M St., Sacramento.
COST, $4000

ADDITION
NO. 426 K ST., Sacramento. Addition to building.
Owner—D. F. Cruise, 426 K St., Sacramento.
Architect—None.
Contractor—V. Vanina, 2022 M St., Sacramento.
COST, $2300

ADDITION
NO. 1916 Q ST., Sacramento. Addition to planing mill.
Owner—Friend & Terry Lumber Co., 1012 10th St., Sacramento.
Architect—None.
Day's work. COST, $2500

REMODELING
NO. 321 "L" ST., (rear) Sacramento. Remodeling.
Owner—C. P. White & J. H. Donnelly, 1515 M St., Sacramento.
Architect—None.
Contractor—C. A. Cleal, 3218 9th Ave., Sacramento.
COST, $2000

REMODELING
NO. 1415 NINETEENTH ST., Sacramento. Remodelng.
Owner—Anna Highie, 1415 19th St., Sacramento.
Architect—None.
Contractor—Herndon & Finnigan, 1814 19th St., Sacramento.
COST, $1,500

NO. 1613 "K" ST., Sacramento.. Frame private garage.
Owner—C. H. Challerton, 2118 "K" St., Sacramtnto.
Architeit—None.
Day's work. COST, $4500

### COMPLETION NOTICES.

**Sacramento County.**

Recorded Accepted
May 7, 1920—NW TENTH & K STS., Sacramento. General Cigar Co to whom it may concern....May 1, 1920
May 12, 1920—SW NINTH AND "L" Sts., Sacrament. C. E. Phipps to C. J. Guth.....May 1, 1920

### BUILDING CONTRACTS.

**San Joaquin County.**

ALTERATIONS
E-FREMONT ST., bet. Sutter and California Sts., Stockton. Remodel building.
Owner—Louis Jacobs, 437 E-Fremont St., Stockton.
Architect—None.
Day's work. COST, $4000

DWELLING AND GARAGE
LAKESIDE TRACT, Stockton. Frame dwelling and garage.
Owner—B. W. Dodge, 216 E-Jackson St., Stockton.
Architect—None.
Day's work. COST, $4300

ALTERATIONS
E-FLORA ST., bet. California and American Sts., Stockton. Remodel building.
Owner—Thos. McMahon, 525 E-Flora St., Stockton.
Architect—None.
Day's work. COST, $1100

GARAGE
N-SAN JOAQUIN ST., bet. Poplar and Flora Sts., Stockton. Public garage.
Owner—F. W. Rothenbush, 606 E-Park St., Stockton.
Architect—None.
Day's work. COST, $8000

FRAME RESIDENCE
MOSS VILLA, Stockton. Frame residence.
Owner—M. F. Smith, 841 N-Center St., Stockton.
Architect—None.
Day's work. COST, $2600

DWELLING AND GARAGE
EAST JACKSON ST., bet. American and Stanislaus Sts., Stockton. Frame dwelling and garage.
Owner—Geo. Jason, 527 E-Oak St., Stockton.
Architect—None.
Day's work. COST, $1200

BUILDING
S-SAN JOAQUIN ST., bet. Main and Market Sts., Stockton. Building.
Owner—Smith & Lang, Main and San Joaquin Sts., Stockton.
Architect—None.
Day's work. COST, $30,000

BUNKERS
LOCATION NOT GIVEN. Bunkers.
Owner—San Joaquin Brick Co., 30 S-El Dorado St., Stockton.
Architect—None.
Day's work. COST, $7500

GARAGE
N AMERICAN ST., BET. CHANNEL ST. & MINER AVE., Stockton. Garage.
Owner—J. M. Kile, Yosemite Bldg., Stockton.
Architeit—None.
Day's work. COST, $9500
GARAGE

### LIENS FILED.

**San Joaquin County.**

May 13, 1920—LOT 15, BLK. 209 E of Center St., Stockton. Simpson-Gray Lumber Co., Corporation vs. T. P. Bonney & M. Frazer....$142.50

## WAGE INCREASE OF CARPENTERS APPROVED BY THE GENERAL CONTRACTORS OF SAN FRANCISCO.

The following communication from the General Contractors of San Francisco relating to the demand of the Bay Counties District Council of Carpenters is self explanatory.

Daily Pacific Builder,
560 Misslon Street,
San Francisco, Calif.
Gentlemen:

In view of a statement in a circular letter issued by the Bay Counties District Council of Carpenters under date of May 7th, to all Contractors and Builders and other employers etc., that the request of the Council for a minimum wage of $9.00 per day, effective July 1st, "has been favorably acted upon by the several Committees of the General Contractors of San Francisco," it is desired to state, in order to avoid misunderstanding, that while the members of our Committee are unanimous in the opinion that by comparison with wages paid in other trades, particularly the plumbers and common laborers, the demand in behalf of the carpenters is reasonable, the only formal action taken was to refer the matter to the conference committee representing building trades employers. This action is in conformity with the principle that wage increases in any trade exert an influence upon the entire building industry and upon every individual trade therein and that, in the interest of all concerned, including the public, proposed changes should be the result of conference and agreement at which all trades are afforded representation.

Very truly yours,
GENERAL CONTRACTORS OF SAN FRANCISCO.
By E. T. Thurston, Secretary.

## REVIEW OF FAR EASTERN COMMERCIAL PRESS.

[Compiled from Clippings made by the Far Eastern Division, Bureau of Foreign and Domestic Commerce.]

**Shipbuilding in Japan.**

Almost coincident with the statement in the Japan Advertiser that the war boom for the Japanese shipyards was fast disappearing, and that the concerns still in existence were feeling the reaction keenly, it was noted in the Far Eastern Review that Japan is proposing to build 2 battle cruisers and 22 other warships, beginning with the next fiscal year.

## CALIFORNIA SHIPBUILDER AND METAL WORKER.

The May issue of the California Shipbuilder and Metalworker contains the following features:

Pioneering for Power, Story of the Gas Engine.

Grinding Machines—Their Care and Use.

The Transportation Act and Labor.

The Works Council.

University Help for Mechanics.

Life Insurance for Shipyard Employees.

## PLAN FOR BUILDING HOMES IN PORTLAND.

PORTLAND, Ore.—The department of public Works of Portland, the City Commissioners, realty board members, lumbermen, builders and citizens of this city have formulated a plan for building 1500 homes at a cost of not more than $1000 each to relieve the housing shortage. At a meeting held recently committees were named to report on land sites, one on plans for buildings, and the other on water supply. The committees will meet and report within a few days and steps to put the plan in action will be taken.

### COMPLETING PLANS FOR BAKERSFIELD SCHOOLS.

BAKERSFIELD, Kern Co., Cal.—Architects T. B. Wiseman and Chas. Biggar, associated, Morgan Bldg., Bakersfield, are completing plans for school work at Bakersfield under the $300,000 bond issue as follows:

Lincoln school at East Bakersfield, 18 classrooms, auditorium, kindergarten, vocational room, domestic science, principal's and teachers' room, library; brick construction; cost about $225,000; 4-room addition to Jefferson school at East Bakersfield; 2-room addition to Fremont school; 2-room addition to Hawthorne school; manual training room and toilets in Emerson school; new heating plant in Franklin school; Kindergarten room at Williams school. Bids will be called for as soon as bonds are sold.

### ALLEN & CO. MOVE TO LARGER OFFICES.

A step in the development of a progressive realty firm was taken this week when Allen & Co. moved into a larger set of offices at 168 Sutter street.

Designed by Earl B. Bertz, head of the architectural department, the new offices represent the last word in artistic environment.

The extent of Allen & Co. realty operations is indicated in part by the lines along which the company has been organized. Housed in the new surroundings are staff members of the Allen & Co. sales force. Headed by H. B. Allen, the firm is divided into six departments, including the architectural, building, investment, leasing, sales, and insurance departments.

Allen & Co. will continue to operate their office at Sea Cliff under the direction of Milton Meyer.

### CHAMBER OF COMMERCE TO ASSIST IN LOCATING HUGE COFFEE PLANT

Responding to a joint invitation sent him by the San Francisco Chamber of Commerce and the Commercial Club, Sir Thomas Lipton, who is coming to San Francisco in connection with his plan to erect a $500,000 plant in this city for the packing of tea, coffee and cocoa, cabled his acceptance to be the guest of the two organizations at a luncheon upon his arrival about June 1.

Stanley Q. Grady, San Francisco manager for the Lipton Company, whose present plant is at 561 Mission street, recently announced that the need for enlarged facilities in this city was recognized sometime ago and resulted in plans for the new half-million establishment. The location of the site has not yet been made public.

A Holyoke, Mass., national bank announces that it will make construction loans to approved builders for families having $1000 or more to their credit in the bank's savings department. Total cost of house and lot to be not less than $5000. Applicants must be American citizens or have filed first papers. When the house is completed the national bank will arrange a savings bank mortgage for half the total cost and carry the balance, less what the owner has paid from his savings, at six per cent on weekly or monthly installments figured on an amortization basis.

### SAN FRANCISCIAN DEVELOPS STATE LAND COLONY

Max E. Cook, formerly connected with the offices of Architect Houghton Sawyer, for the past two years has occupied the position of Chief Engineer for the State Land Settlement Board in charge of all building construction and the layout of the individual farmsteads for the settlers.

Mr. Cook conceived the plan of delivering service to the farmers; of showing them not only how to build better buildings economically, but how to lay out the farmstead to save steps, to insure better living and housing conditions, and to make the farm an attractive place to live. He pioneered in this field and developed it so that it is now a recognized part of successful land settlement. One hundred and twenty-five farmers' problems were cared for in this way on the Durham Settlement in Butte County.

Plans are now in course of preparation for a second settlement at Delhi, six miles south of Turlock. There will be some three hundred farms to lay out with buildings for each. Fifty of the farms have been allotted and settlers are beginning to arrive. Future land settlements will require the same service.

*Editors Note:—Mr. Cook is seeking an architectural draftsman, with interest in such work. Communications may be addressed to him at the Delhi Colony, Turlock Calif.

### HIGHWAY COSTS INCREASED ONE HUNDRED PER CENT

SACRAMENTO, Cal., —Labor costs of highway construction work have increased 100 per cent in five years, a delegation from the Contractors' Association of Northern California told A. B. Fletcher, chief engineer of the state highway commission, at a conference held recently.

All bids for highway work have been rejected as excessive by the highway commission in a number of recent instances and the contractor's association sought at this conference to establish a mutual base for computing labor costs.

Investigation of these costs by the commission and representatives of the contractors was promised, it was said after the meeting.

### FIRE PREVENTION WEEK MAY 23rd to 29th.

The greatest battle against the arch enemy, FIRE, that has ever been waged in the West will be fought during the week, May 23 to 29. Eleven states including California, Oregon, Washington, Idaho, Utah, New Mexico, Wyoming, South Dakota, Colorado and Minnesota have joined in a movement to drive home to every citizen the necessity of preventing fire losses in forest and rural communities, as well as in cities.

The U. S. Forest Service, the California State Board of Forestry and the Fire Prevention Bureau of the Pacific have joined forces for the success of "Forest Protection and Fire Prevention Week." Chamber of Commerce, Women's Clubs, Farm Centers, County Fire Wardens, and Fire Chiefs have been asked to aid in their various communities. During the week Forest Protection and Fire Prevention lessons will be studied in the schools.

### LABOR ASSOCIATION ASKS FOR DISSOLUTION

STOCKTON, Cal.—The San Joaquin County Labor Temple Association has petitioned the superior court for dissolution of the corporation. The company was organized on July 26, 1909, and 1,309 1-2 shares of stock were issued. The petition will be heard before Judge D. M. Young on June 14, 1920, at 10 a. m.

### TRADE NOTES FROM MEXICO.

[File numbers cited refer to reserved information or trade lists, which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or cooperative offices.]

#### Proposed Establishment of Bottling Works in Ciudad, Juarez.

Consul E. A. Dow reports that an American company engaged in the manufacture of soda waters and other nonintoxicating drinks is endeavoring to locate a suitable site or building for a branch of its business in the vicinity of Ciudad, Juarez. A few small concerns of this kind have operated in Juarez for a considerable period, but due largely to insufficient capital their business has had only a local value. Now, however, the local demand alone has been increased considerably by the large number of tourists who cross at this point, and it is believed that a branch house in Juarez will assist greatly in extending the company's Mexican trade. Dealers in bottles, bottling machinery, and material used in the manufacture of soft drinks who are interested in communicating with this company may obtain the address by referring to file 5689.

### STORAGE RESERVOIR PLANNED

OROVILLE, Cal.—Construction of a mammoth impounding dam which will transpose Grizzly Valley, Plumas County, on the Middle Fork of the Feather river, into one of the largest water storage sites in Northern California and will supply over 72,000 acre feet of water to farmers of the Sacramento Valley, will commence within the next few days, according to authentic information received here yesterday.

The project which is being promoted by the Middle Feather River Development Company, a New York Syndicate, is preparing to utilize the waters of Grizzly Creek and its tributaries with the hope of eradicating the yearly fear of a water shortage in this section.

Two engineering crews, under the direction of E. E. Clark, field man for the Middle Fork Developing Company, have left for Grizzly Valley where preliminary surveys for the project will commence immediately.

# Building & Engineering News

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San Francisco, Cal., May 26, 1920

Published Every Wednesday
Twentieth Year, No. 21

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# EDITORIAL

L. A. LARSEN, Publisher.
J. P. FARRELL, Managing Editor.

## CRISIS IS IMPENDING

### Construction Industries Essential To Public Happiness

BY WHARTON CLAY, Arch. Eng.
Commissioner Associated Metal Lath Manufacturers

Among the greatest problems of modern times are the great policies of the nation in relation to the construction industry. This outlook is as much the concern of the statesmen and the people as it is of the construction industries themselves. Manufacturers and fabricators of materials are laboring with problems of car shortage, railroad chaos, insufficient labor, and high premiums on basic materials induced by demands for the material for other less essential uses.

To quote a recent editorial comment in the New York Times on a meeting of the Building Trades Employers' Association and Metaltic Lathers Union, the price of metal lath was where it is, "because the automobile manufacturers are using it in great quantities and paying excessive prices in order to get what they want.

"And from this fact, by a logical process not easy for the uninitiate to follow, it was deduced by the conferees that 'the present price of expanded metal lath is reasonable, considering the cost of sheet steel.' The official reporting the meeting then writes: The opinion was expressed by many that it is beginning to narrow down to a question of automobiles to ride in or houses to live in. From another source it has been learned that plate glass is enormously advanced in price because the makere of automobiles are using 85 per cent of all that is made or imported and everybody else has to compete for the small remainder. That the automobile is a pleasure only abnormally mossy conservatives deny, but apparently it is a pleasure of the sort commonly described as 'not unmixed.' "

The Chicago Tribune says very much the same, enlarging on the demand for glass by the automobile industry, and qualifies by saying: "The motor industry is not alone attracting business, but is a case in point,"

When mahogany is used for talking machines, it is not so bad, because we can build without mahogany if necessary, but when metal that could be converted into necessary gutters, flashings, plumbing, and fire resisting lath, or rubber and asphalt that could be converted into roofing are used in the manufacture of luxuries to such an extent that the national living conditions are at stake, the matter becomes of public concern, and the construction industry must be welded into one compact organization to deal with the situation.

A few months ago there were only fifty kegs of lath nails in the city of Philadelphia and the Lathers' Union was combing the market for 600 kegs for the West. Recent reports from Texas indicated that window glass could not be purchased at any price.

So much for materials. Let us consider labor. Thousands of cabinet makers have been transferred out of the construction industry into industries that sre more a matter of luxury. The same tendency has occurred in the ranks of all mechanics.

Cablegrams from London indicate that a crisis in the building trades has been reached, and that the London County Council has been obliged to stop all building, except residences, under the powers granted by the Health Ministry to overcome the housing shortage. Dry-goods stores, office buildings, and other construction have to wait because the demands of housing are so great. Italy will not permit automobiles to be run by anyone except on Government business.

Regulation of nonessential labor or expenditures in times of prosperity is not new. It was found necessary in Venice, at the height of the success of the Merchant Princes when everyone was vying with one another for the most elaborate gondola. One trimmed his with silver, the next gold, the next, hand carved metals, or precious stones until the amount of labor put on these luxuries became a matter of public concern and a law was enacted requiring every gondola to be painted black. Much to the surprise of the Venetians, the gondolas carried just as many passengers and traveled as easily—and more labor and material were released for other necessities.

Are we going to come to this or worse crisis in this country, or is sufficient consideration going to be given to the facts that lie before us, so that it can be avoided by facilitating building now? Much of this has to be answered by those who hold the pursestrings to new money for investment in construction. Another large voice is the intelligent spending of the multitude.

## A CAUSE FOR THE LUMBER SHORTAGE

J. H. Carlyle of Everett, Wash., who is reported to own several thousand acres of pine tracts in the Northwest, is credited with the following statement: "Shipyard workers of the Northwest who got $24 a day during the war, prefer to loaf now rather than to work for $10 a day. This is one of the reasons for a pine lumber famine that is imminent."

## PRIMACY OF CITY EDITOR

The late General Booth of the Salvation Army was conducting a big meeting which lasted unusually long and towards the close a newspaper reporter left his seat and gained the aisle. General Booth pointed a finger at him and said:

"Whoever leaves this auditorium will be damned by God."

The reporter answered: "If I don't leave this auditorium and hurry back to my office I'll be damned by the city editor."

"God is above the city editor," retored General Booth.

"Yes, I think he is," piously responsed the reporter, "but the city editor doesn't."—Argonaut.

## BUILDING ACTIVITIES GAINED DURING 1919.

Reports received by the United States geological survey, department of the interior, from the building officials of 114 of the larger cities in the country show that building operations in 1919 greatly exceeded those in 1918, both in number and cost. The number of permits issued or buildings erected in these 114 cities in 1919 was 309,551, as compared with 173,635 in 1918, an increase of 135,916 or 78 per cent. The cost of the operations in 1919 was $1,130,817,591 as compared with $369,252,315 in 1918, an increase of $761,565,276, or 206 per cent. If the operations in the remaining cities from which the geological survey usually receives statistics of building operations show a proportionate increase, the number of permits issued or buildings erected in 1919 was about 377,000, which would cost about $1,300,000,000, so that the record for 1919 was the highest yet reached in the building industries in these cities in both number and the cost of operations. The year of the next highest record was 1916, when 347,761 operations were reported, which cost, $1,046,276,549. The average cost per operation in the cities which have so far reported for 1919 was $2,127 in 1918 and $3,653 in 1919.

# ADVANCE NEWS
## Official Proposals, Etc.

# Building.

## APARTMENT HOUSES.

To be Done by Day's Work.
APARTMENTS Cost, $25,000
SAN FRANCISCO. E Palm Avenue 455 N Geary Street.
Two-story and basement frame (4) apartments.
Owner—Percy Tyler, 1430 Cabrillo St., San Francisco.
Architect—E. E. Young, 251 Kearny St., San Francisco.

Owner Taking Figures.
APARTMENTS, ETC. Cost, $15,000
PITTSBURG, Contra Costa Co., Cal. Corner 8th and York Streets.
Two-story frame and stucco undertaking parlors and apartments.
Owner—Henry Nuttman Jr., Care San Francisco Casket Co., 321 Valencia St., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

LONG BEACH, Los Angeles Co., Cal. —James C. Beer, 1403 E. Ocean Ave., Long Beach, will soon commence the erection of a combination reinforced concrete apartment house and residence for himself at the northwest corner of Ocean Blvd. and Kennebec Ave., Long Beach; cost, $75,000.

Contract Awarded.
APARTMENTS, ETC. Cost, $90,000
MODESTO, Stanislaus Co., Cal. 11th Street.
Two-story (2) stores and (12) apartments, 130x50.
Owner—C. R. Tillson, Modesto, Cal.
Designer & Contractor—Geo. J. Ulrich, Modesto, Cal.

## BANKS.

Figures Being Taken For Concrete Work.
BANK BLDG. Cost, $70,000
RICHMOND, Contra Costa Co., Cal. 9th and Macdonald Avenue.
One-story reinforced concrete and terra cotta bank building.
Owner—Mechanics Bank, 8th and Macdonald Ave., Richmond.
Architect—Jas. T. Narbett, 906 Macdonald Ave., Richmond.

Figures to be Taken Shortly.
ALTERATIONS Cost, $100,000
MODESTO, Stanislaus Co., Cal. SE Tenth and I Streets.
Extensive alterations to three-story brick bank and office building, remodel interior of offices, install new banking quarters in first floor.
Owner—The Modesto Bank, 1001 I St., Modesto, Cal.
Architect—H. H. Winner, Nevada Bank Bldg., San Francisco.

## BONDS.

PORTERVILLE, Tulare Co., Cal.—The election held to vote bonds with which to finance construction of a bridge across Porter Slough failed to carry.

It is probable another election will be held as only a small vote was cast against the issue.

SACRAMENTO, Cal.—Owing to the failure of banks to take over the $3,000,000 issue of Capitol Extension Bonds, due to the low rate of interest, preparations are being made to call an election to increase the interest to 5½ per cent.

VINELAND, Kern Co., Cal.—An election will be held June 14th in the Vineland School District to decide the question of issuing bonds of $25,000 for the erection of a new school building.

Trustees of the district are: Mrs. Charles Maddux, D. H. Jinnett, A. A. Sprehn.

MALAGA, Fresno Co., Cal.—The $34,000 bond election held May 7th to secure funds to finance construction of a new school for the Malaga School District failed to carry.

Preliminary plans for the proposed structure were prepared by architects Swartz & Ryland, Rowell Bldg., Fresno.

MADERA, Madera Co., Cal.—Bids will be received by W. R. Curtin, County Clerk up to June 8th, for the purchase of the $12,000 bond issue of the Central School District, proceeds of the sale to finance construction of a new school building.

SACRAMENTO, Cal.—An election will be held in the Elk Grove School District June 12th to vote bonds of $125,000 to finance construction of a new high school building, preliminary plans for which have been prepared by Architects George C. Sellon & Co., Mitau Bldg., Sacramento.

PORTERVILLE, Tulare Co., Cal.—Steps are being taken to call an election in the Porterville High School District to vote bonds with which to erect a new high school building.

C. O. Premo is Clerk of the School Board.

SACRAMENTO, Cal.—Bids will be received by the Sacramento County Supervisors up to June 8th, 10 A. M., for the purchase of the $1,400,000 elementary school bonds and 684,000 high school bonds, proceeds of the sale to finance school improvements.

FRESNO, Fresno Co., Cal.—No bids were received by the Fresno County Supervisors for the $35,000 bond issue of the Clovis Union High School District and the $19,000 issue of the Pershing Grammar School District.

It is probable the bonds will be disposed through private sale.

PRESCOTT, Arizona.—The $1,500,000 county highway bond issue carried at the special election. E. L. Fishel is the county highway engineer. Plans and specifications for several projects have been completed and contracts will be let as soon as bids can be taken and the money is available.

WOODLAND, Yolo Co., Cal.—Preliminary steps have been taken to call an election to decide the question of issuing and selling bonds of $125,000 with which to finance construction of a veterans' memorial building.

## CHURCHES.

REEDLEY, Fresno Co., Cal.—At the quarterly conference of the Methodist church, Dr. Harry White, district superintendent, assured officials of the local Methodist Episcopal church that if they would raise $40,000 for a new church building a $10,000 appropriation will be made through the general church construction funds.

Preliminary Plans Prepared.
CHURCH Cost, $30,000
TRACY, San Joaquin Co., Cal. NW Tenth and North B Streets.
Church building (seating capacity of 600).
Owner—Presbyterian Church of Tracy. Building Committee composed of L. J. Vann, President; J. C. Chrisman, Secretary; Ed La Mar Thornburg, Treasurer; Dr. A. R. Powers, W. D. Harington, Clarence Layman, E. C. Woodruff, Fred Simms and H. M. Schaur.
Architect—C. H. Young, Commercial Savings Bank Bldg., Stockton.

Completing Plans.
CHURCH Cost, $150,000
PHOENIX, Ariz.
Brick and stone church.
Owner—Central Methodist Episcopal Church.
Architect—Lescher & Kibbey, Phoenix, Ariz.

## FACTORIES & WAREHOUSES.

ORLAND, Glenn Co., Cal.—The Orland Cheese and Butter Co., has decided to increase its capital stock from $10,000 to $50,000. The directors plan to use these additional funds to erect the new ice plant in Orland.

Contract Awarded.
WAREHOUSE Cost, $70,000
HAYWARD, Alameda Co., Cal.
One-story reinforced concrete warehouse.
Owner—Hunt Bros.
Architects—Owners.
Contractor—McLeran & Peterson, Hearst Bldg., San Francisco.

Contract Awarded. Sub-Figures to be Taken.
FACTORY Cost, $500,000
OAKLAND, Cal. E-Tenth to E-Twelfth Streets, 48th to 50th Avenues.
Reinforced concrete tire factory building (U shape).
Owner—Coast Tire & Rubber Co.
Designer and Contractor—Foundation Co., Holbrook Bldg., San Francisco
NOTE:—Excavating and grading has been commenced.

Contract Awarded.
WAREHOUSE Cost, $46,760
SAN FRANCISCO. Sixteenth Street and San Bruno Avenue.
Two-story reinforced concrete warehouse, 88x100.
Owner—California School of Mechanical Arst.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Engineer—W. L. Huber.
Contractor—K. E. Parker Co.

Contractor taking sub-figures and contracts awarded.
FACTORY Cost, $40,000
EMERYVILLE, Alameda Co., Cal., 40th and Adeline Sts.
One-story steel frame and brick factory.
Owner—The Johnson Electric Washer Co.
Architect and Contractor—The Austin Co. (John Harnish District Mgr.), Pacific Bldg., San Francisco.
**Concrete work** awarded to P. Hurley.
**Brick work** to A. G. Reed.
Sub figures are being taken on all other parts of the work.

Contractor Taking Sub-Figures and Contracts Awarded.
FACTORY Cost, $62,000
SAN JOSE, Santa Clara Co., Cal. Luna Park at 17th and Berryessa Road.
One-story steel frame and brick factory building.
Owner—National Axel Co., 1st National Bank Bldg., San Jose.
Architect and Contractor—The Austin Co., John Harnish District, Mgr., Pacific Bldg., San Francisco.
**Concrete Work** awarded to M. E. Kilcourse, 528 S-10th St., San Jose.
**Brick Work** to A. G. Reed, San Francisco.
Sub-figures are being taken for roofing, plumbing, electrical work, etc.

Contract Awarded.
WAREHOUSE Cost, $100,000 approximately.
SAN JOSE, Santa Clara Co., Cal.
Four-story brick warehouse.
Owner—California Packing Cptn., 101 California St., San Francisco.
Engineer—Philip Bush, 101 California St., San Francisco.
Contractor—R. O. Summers, 17 N-1st St., San Jose.

Plans Being Figured.
SHOP BUILDING Cost, $——
RICHMOND, Contra Costa Co., Cal. 13th Street N of Macdonald Ave.
Two-story brick or frame shop building.
Owner—Spiersch Bros., 25 Park Place, Richmond.
Architect—Jas. T. Narbett, Macdonald Ave., Richmond.
NOTE:—Figures are being taken for a general contract, except plumbing, roofing and sheet metal work, which will be done by the owners.

TURLOCK, Stanislaus Co., Cal.—Two bids were received by Max E. Cook, Farmstead Engineer, State Land Settlement Board, Delhi Colony, Turlock, for the construction of pipe yard shed and these have been taken under advisement. The bids were:
O. D. Williams .....$13,964
Wakefield & Peterson..... 13,595
The structure is provided for under Operation No. 49.

Plans Being Figured.
SHOP BLDGS. Cost, $——
SACRAMENTO, Cal.
Three or more frame and corrugated iron shop buildings.
Owner—Southern Pacific Company.
Architect—Engineering Dept. (Mr. Christie in charge), S. P. Bldg., 65 Market St., San Francisco.

Figures Being Taken for Concrete Work, Roofing, Electrical Work and Plumbing.
FACTORY Cost, $12,000
EMERYVILLE, Alameda Co., Cal.
One-story reinforced concrete factory building.
Owner—P. Calou Estate, 3251 Grove St., Oakland.
Architects—Sidney B. and Noble Newsom, Nevada Bk. Bldg., San Francisco.
**Forms and carpentry work** awarded to Fred J. Westlund, 2207 10th Ave., Oakland, for $4,598.
**Steel sash** to The Detroit Steel Products Company.

Contract Awarded.
STORAGE PLANT Cost, $100,000 approximately.
GILROY, Santa Clara Co., Cal.
One-story concrete and hollow tile cold storage plant.
Owner—National Ice & Cold Storage Co., San Francisco.
Designer—Chief Engineer of Owner.
Contractor—Phelps & Radtke, Gilroy.

Plans to be Prepared.
FACTORY Cost, $——
SAN FRANCISCO. Location Withheld for Present.
Fireproof candy factory, 100,000 sq. ft. of floor space.
Owner—Leebold Candy Co., 1070 Mission St., San Francisco.
Architect—Not Given.
Further details will be given later.

Contract Awarded.
ADDITION Cost, $100,000
SANTA ROSA, Cal. Sebastopol Ave. and N W P Tracks.
One-story concrete and hollow tile addition to cold storage plant.
Owner—National Ice & Cold Storage Company.
Designer—Chief Engineer of Owner.
Contractor—A. M. Hildebrandt, Santa Rosa.

## FIREHOUSES AND JAILS.

Plans Being Prepared.
JAIL, ETC. Cost, $70,000
POMONA, Los Angeles Co., Cal.
Two-story brick city jail and a two-story brick fire department building.
Owner—City of Pomona.
Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.

## FLATS.

Contract Awarded.
FRAME FLATS Cost, $14,662
SAN FRANCISCO. Twenty-sixth Ave. and California Street.
Two-story frame (4) flats 4 and 5 room flats.
Owner—W. T. Allen.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—John Little, 1035 Lincoln Way, San Francisco.

## GARAGES.

Plans Being Prepared.
GARAGE Cost, $——
SAN FRANCISCO. S Stevenson 25 E New Montgomery Street.
Five-story and basement reinforced concrete garage, 90x70.
Owner—Selah Chamberlain.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Contracts Awarded.
GARAGE Cost, $40,000
SAN FRANCISCO. Sutter and Laguna Streets.
One-story concrete and brick garage.
Owner—C. T. and H. J. Daniels.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
**Concrete Work** awarded to The Mission Concrete Co., 331 Guerrero St.
**Carpentry Work** to Chisholm & Fennell.
**Brick Work** to Chisholm & Fennell, 180 Jessie Street.
**Electric Work** to The Atlas Elec. Co., 110 Jessie Street.
**Roofing** to Bender Roofing Co., Monadnock Bldg.
**Plumbing** to Wm. J. Monihan, 110 Jessie Street.
**Sheet Metal Work** to Morrison & Co., 769 McAllister Street.

Plans Being Prepared
GARAGE Cost, $——
SAN FRANCISCO. NW Hyde and Russell Streets.
Three-story and basement Class "C" garage.
Owner—Micheletti Estate.
Lessee—Ruben Hoyle.
Supervising Architect—August G. Headman, Call Bldg., San Francisco
NOTE:—Figures being taken for a general contract.

Figures to be Taken in a Few Days.
SHOP Cost, $30,000
SAN FRANCISCO. SE Folsom and Juniper Streets.
One-story steel, concrete and brick shop.
Owner—Kleiber & Co., Inc., 1480 Folsom St., San Francisco.
Engineer—R. tum Suden, 1480 Folsom St., San Francisco.

Plans Being Prepared.
GARAGE Cost, $75,000
SAN FRANCISCO. N Sacramento St., bet. Taylor and Mason Streets.
Two-story and basement reinforced concrete public garage.
Owner—John Proctor.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

## GOVERNMENT WORK AND SUPPLIES.

MARE ISLAND, Cal.—The following bids were received on May 12th by the Public Works Officer for alterations and additions to Marine Officers' Quarters No. 1, Navy Yard, Mare Island, Cal. Specification No. 4134:

G. C. Estes, Vallejo, (1) $11,683, 90 days; (2) $——.

Walter Crosby, Vallejo (1) $12,204, 90 days; (2) $1,140, 10 days.

Lange & Bergstrom, San Francisco (1) $15,000, 100 days; (2) $1,252, — days

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Plans Being Prepared.
POST OFFICE, ETC. Cost, $50,000
REDWOOD CITY, San Mateo Co., Cal. Corner Broadway and Winslow.
One-story reinforced concrete or reinforced concrete and hollow tile post office and store building.
Owner—Geo. E. Graft, 34 E-San Antonio St., San Jose.
Architects—Binder & Curtis, Binder Bldg., San Jose.

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WASHINGTON, D. C.—The following bids were received at the construction division of the army, Washington, D. C., May 5, proposal 405, for furnishing 341,500 cedar shingles for Schofield Barracks:

Oliver C. Ulmer, Mount Pleasant, Texas, 41,500 shingles: Clears brand, $6.60; Buck brand, $4,75; extra clears, $6.35; extra clears, Green, $6.25; extra clears, Nelson, $6.20; extra clears, Olympia, $6.20; extra clears, Liberty, $6.20; extra clears, Quality, $6.25, f. o. b. cars, shipment immediate.

Burkston-Stone Shingle Co., Seattle, Wash., $6 per M f. o. b. cars, mill, delivery two weeks, discount 2 per cent 10 days.

G. Elias & Bros., Buffalo, N. Y., $6.50 per M, f. o. b. cars, mill, $6.90 per M., f. o. b. cars, Ft. Mason, Calif.

Johnson & Wimsatt, Washington, D. C., $5.35 f. o. b. cars, Portland, Oreg., $6.25 delivered Fort Mason.

Connor & Bailey, Inc., Everett, Wash., $6.25 per M. f. o. b. Everett, Wash., $7 per M delivered San Francisco; freight rate allowed 75c per M, 2 per cent discount.

Foster-Morgan Lumber Co., Seattle, Wash., $5.25 per M, f. o. b. mill, Nagram, Wash., shipment 2 weeks.

Bloedel-Donovan Lumber Co., Seattle, Wash., $5.75 per sq. or 341½ sqs. of exara clear F. A. S. dock, Bellingham, Wash.

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MARE ISLAND, Cal.—The following bids were received on May 19th by the Public Works Officer at Mare Island for the complete electrification of the railroad track on the Vallejo-Mare Island Causeway and the transfer yard at the Navy Yard.

San Francisco, Napa and Calistoga Railway, $11,128.24; 30 days after delivery of materials.

Butte Electric & Mfg. Co., $11,893; 120 days.

H. S. Tittle, San Francisco, $12,600; 160 days.

Note:—The bid of The San Francisco, Napa and Calistoga Railway Co. was received late, and may be disqualified. All bids were forwarded to Washington.

WASHINGTON, D. C.—A call for bids will be issued shortly by the Bureau of Yards and Docks, Navy Department, Washington, D. C. under Specification No. 4191, for furnishing and installing laundry equipment in the industrial building, marine barracks, naval base, San Diego, Calif., and under Specification 4192, for furnishing bakery equipment in the industrial building marine barracks, naval base, San Diego, Calif., also under Specification 4193, refrigerating plant, San Diego naval base.

Bids received for this work under the last call for bids were rejected. Plans may be obtained from the Commandant Twelfth Naval District, 417 Sheldon Bldg., San Francisco, Calif., or to the public works officer, U. S. N., Timken Bldg., San Diego, Calif. Deposit of $10 for plans required.

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WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing and delivering the following materials: date for opening bids noted at end of each paragraph:

Schedule 6106, f. o. b. works, 1,400 feet rubber suction hose, opening of May 25.

Schedule 6108, for eastern and western yards, packing, opening of June 8.

Schedule 6112, for Mare Island, 15,000 electrical fuses, opening of June 4.

Schedule 6113, for Mare Island, 3,600 pounds sheet copper, opening of June 4.

Schedule 6115, for Puget Sound, 20,000 pounds steel welding wire, opening of June 4.

Schedule 6116, for eastern and western yards, ammunition motors, opening of June 4.

For further information address the bureau of supplies and accounts, Navy Department, Washington, D. C.

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WASHINGTON, D. C.—Plans have been completed by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for furnishing and installing a surface condenser, wet vacuum pump, after-cooler, booster pump, new oil filter pump, piping and appurtenances for a 6,500 c. f. m. reciprocating air compressor in the power plant at the navy yard, Puget Sound, Wash. Drawings and specification, No. 4179, may be obtained on application to the bureau or to the Commandant, navy yard, Puget Sound, Wash. Deposit of $10 required for plans. (Estimated cost, $60,000).

The date for opening bids will be set in the near future.

Following is a list of prospective bidders for work under this Specification:

Power Heating & Ventilating Co., 66 Travers St., Boston, Mass.

General Heating & Ventilating Co., 198 Milwaukee St., Milwaukee, Wis.

John W. Danforth, 70 Ellicott St., Buffalo, N. Y.

Best Co., Arrott Bldg., Pittsburgh, Pa.

Austin Engineering Co., 121 West 42d St., New York City.

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WASHINGTON, D. C.—The office of Chief of Engineer, U .S. Army, Washington, D. C. has awarded a contract to the Olympian Dredging Co., of San Francisco for the operation and hire of a dredging plant to be used in the vicinity of San Francisco for Government operations.

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WASHINGTON, D. C.—Bids will be received by the Department of the Interior, U. S. Reclamation Service, Yuma, Arizona, up ot 2 P. M. June 3rd, for earthwork, first Mesa unit, Yuma Auxiliary Project, involving about 93,000 cubic yards of excavation. The work is located about eight miles south of Yuma, Ariz., and about four miles east from Somerton, Ariz. For particulars address the United States Reclamation Service, Washington, D. C.; Denver, Colo., or Yuma, Ariz. Morris Bien, Acting Director.

## HALLS & SOCIETY BUILDINGS

Plans Being Prepared.
ADDITION Cost, $200,000
PALO ALTO, Santa Clara Co., Cal. Stanford University.
Fireproof addition to club house.
Owner—Stanford University.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

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Completing Plans. Ready for Figures In About Two Weeks.
LODGE BLDG. Cost, $70,000
VALLEJO, Solano Co., Cal. Main St.
Three-story and basement frame and plaster lodge building.
Owner—Vallejo Council No. 874, Knights of Columbus.
Architect—Leo J. Devlin, Pacific Bldg., San Francisco.

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Completing Plans.
CLUB BLDG. Cost, $80,000
PHOENIX, Arizona. N-Seventh Ave. near Thomas Road.
Concrete club building (Spanish style with tile roof).
Owner—Phoenix Country Club.
Architects—Lescher & Kibbey, Phoenix Arizona.

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ROSEVILLE, Placer Co., Cal.—The erection of a modern lodge building is planned by the Roseville Lodge of Masons, No. 222, a site for the proposed structure having been purchased at the corner of Vernon and Washington streets.

No architect has been selected as yet to design plans for the building.

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Completing Working Drawings. Figures to be Taken in Ten Days.
BUILDING Cost, $100,000
LYTTON, Sonoma Co., Cal.
Two-story reinforced concrete building.
Owner—Salvation Army Home for Boys and Girls, Lytton, Cal.
Architect—Norman Coulter, 46 Kearny St., San Francisco.

NOTE:—This building will replace the one recently destroyed by fire. It will be known as the "Main Building," and will contain the executive offices, dining room, kitchen, rest, reading and play rooms and girls' dormitory.

## HOSPITALS.

BENICIA, Solano Co., Cal.—The following bids were received May 15th by Col. O'Hern, Commanding Officer at Benicia Arsenal, for the construction of a one-story hollow tile hospital building. The bids were referred to Wash-

ington for approval. $20,000 is the amount available for the building.
Robert Trost, San Francisco....$24,924
Schultz Constr. Co., S. F..... 27,635
Wagner & Blob, S. F..... 27,924
A. H. Vogt, S. F..... 28,133
McLeran & Peterson, S. F..... 28,270

Plans Being Figured. Bids Close June 21, 1920, 11 A. M.
FARM BLDGS., ETC. Cost, $100,000
SAN LEANDRO, Alameda Co., Cal. Infirmary.
Reconstruct farm buildings, erect storage buildings, alter and add to dormitories, etc. (frame construction).
Owner—Alameda County.
Architect—Henry H. Meyers, Kohl Bldg San Francisco.
Figures are being taken for a general contract.

Plans Being Figured.
HOSPITAL Cost, $85,000
SAN PEDRO, Los Angeles Co., Cal.
Two-story Class "A" hospital building, 134x100.
Owner—Harbor Hospital Association.
Architects—Allison & Allison, 1405 Hibernian Bldg., Los Angeles.

## HOTELS.

Plans Being Completed
HOTEL Cost, $500,000
WENATCHEE, Washington. Mission Street and Yakima Avenue.
Six-story and basement fireproof hotel, 120x75, (200 rooms each having private bath.
Owner—Geo. F. Vradenburg et al, Wenatchee, Wash.
Architect— V. W. Voorhies, Eitel Bldg., Seattle, Wash.

Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. Turk and Taylor Streets (Grand Hotel).
Alterations to lobby of hotel and two stores.
Owner—Grand Hotel.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.

Contract Awarded.
HOSPITAL Cost, $111,800
ELKO, Nevada.
Two-story brick Class "C" County Hospital.
Owner—County of Elko.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno, Nevada.
Contractor—Rockwell & Sutton, Elko, Nevada.

Commissioned to Prepare Plans.
HOSPITAL Cost, $150,000
REDWOOD CITY, San Mateo Co., Cal.
Two-story reinforced concrete and brick county hospital.
Owner—San Mateo County.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Mr. Toepke's plan was selected in competition. E. L. Norberg Wm. D. Shea also submitted plans. Architect F. H. Meyer acted as judge.

Plans Being Figured.
HOTEL BUNGALOW Cost, $——
LOS ANGELES, Cal. Wilshire Blvd. W of Catalina St. (Ambassador Hotel)
Four frame hotel bungalows (75 rooms and 50 bathrooms).
Owner—Wilshire Boulevard Hotel Co.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.

## PUBLIC BUILDINGS.

WOODLAND, Yolo Co., Cal.—Members of the County Board of Supervisors and City Trustees of Woodland at a recent meeting outlined plans for the erection of a modern memorial building to house municipal offices, auditorium, social halls, etc., to commemorate the deaths of the soldiers in the world war.

It is planned to erect a structure costing between $100,000 and $125,000.

Whether construction will be financed through bond issue or private subscription has not yet been decided.

STOCKTON, San Joaquin Co., Cal.—The City Council has taken under advisement the bids of Tredway Bros., $2,395; W. S. Kendall Co., $2,685.71 and Morris Bros., at $2,850.40 for furnishing and installing safes and cabinets in the offices of the City Assessor, Auditor and Superintendent of Streets. A. L. Banks is City Clerk.

FRESNO, Fresno Co., Cal.—The Park Commission has requested the City Council to appropriate $103,000 for the construction of a concrete swimming pool, 400 by 50, for Roeding Park, in addition to other improvements.

Chas. Dillon is City Clerk.

## RESIDENCES.

Contract Awarded.
RESIDENCE Cost, $60,000
SERENA, Santa Barbara, Co., Cal.
One-story hollow tile and plaster residence.
Owner—Max Fleishmann, Cincinnati, Ohio.
Architects—Reginald D. Johnson and Gordon B. Kauffman, 100 E-Colorado St., Pasadena.
Contractor—Chas. M. Urton, 325 W-Victoria St., Santa Barbara.

Contract Awarded.
RESIDENCE Cost, $125,000
SAN MARINO, Los Angeles Co., Cal. Oak Grove Avenue.
Two-story 15-room hollow tile residence.
Owner—John H. Meyer.
Architects—Marston & Van Pelt, 600 Chamber of Commerce Bldg., Pasadena.
Contractor—John H. Simpson, 1185 N-Chester St., Pasadena.

Plans Being Prepared.
RESIDENCE Cost, $——
SAN FRANCISCO. Claremont Court View.
Two-story frame and plaster residence and garage (about 9 rooms).
Owner—Harry Bercovich, 501 Montgomery St., San Francisco.
Architect—Name Withheld for Present.

Plans Being Figured. Bids Close May 19, 1920.
RESIDENCE Cost, $18,000
SAN JOSE, Santa Clara Co., Cal.
Two-story frame and stucco residence 9 rooms (tile roof).
Owner—John Koher,
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose, Cal.
NOTE:—Figures are being taken for a general contract.

Plans Being Prepared. To be Done by Day's work.
BUNGALOW Cost, $6,000
MARTINEZ, Contra Costa Co., Cal.
One-story frame and plaster bungalow (5 rooms).
Owner—Fabian Joost, Martinez.
Architect—A. A. Cantin, 68 Post St., San Francisco.

Plans Being Prepared.
RESIDENCE, ETC. Cost, $7,500
DIABLO, Contra Costa Co., Cal. Mt. Diablo Park.
Two-story frame residence and garage (9 rooms and 3 bathrooms), crushed brick roof.
Owner—W. A. Hale, 1345 Arch St., Berkeley.
Architect—A. A. Cantin, 68 Post St., San Francisco.
NOTE:—When plans are complete figures will be taken for a general contract.

Plans Being Prepared. To be Done by Day's Work.
RESIDENCE Cost, $——
SAN FRANCISCO. Twenty-fifth Avenue
Two-story frame and plaster residence (6 rooms).
Owner—Harry Kolb, 104 Market St., San Francisco.
Architects—M. O'Brien and E. H. Hildebrand, 68 Post St., San Francisco.

Plans to be Prepared. Sites Purchased
BUNGALOWS Cost, $——
WILLOWS, Glenn Co., Cal. South Butte Street.
Eight one-story and basement frame bungalows.
Owner—G. C. Morgan, Troy Laundry, Willows, Cal.
Architect—Not Given.

Contract Awarded.
RESIDENCE, ETC. Cost, $30,000
LOS ANGELES, Cal. Lorraine Blvd. bet. Third and Fourth Streets.
Two-story hollow tile residence and garage (11 rooms and 5 bathrooms)
Owner—Mrs. A. L. Dudley Warner, New York.
Architect & Contractor—H. H. Whiteley, 520 South Western Ave., Los Angeles.

Contract Awarded.
RESIDENCE Cost, $——
NAPA, Napa Co., Cal. First Street near Jefferson Street.
Two-story frame, stucco and brick residence.
Owner—Dr. Lawrence Welti, Napa, Cal.
Architect—Not Given.
Contractor—E. W. Doughty, Napa, Cal.

Plans Complete.
ALTERATIONS Cost, $20,000
SACRAMENTO, Cal. Old E. B. Crocker Residence.
Remodel residence into art gallery.
Owner—City of Sacramento.
Architect—Frank H. Schardin, 911 O St., Sacramento.

Plans Being Figured.
RESIDENCE Cost, $16,000
SAN FRANCISCO. St Francis Blvd

Two-story frame and plaster residence (9 rooms and 3 bathrooms, separate garage).
Owner—Dr. Wallace Smith, Stanford Court Apartments.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

## SCHOOLS.

OLIG, Cal.—Architects T. B. Wiseman and Chas. Biggar, associated architeces, Morgan Bldg., Bakesfield, have completed plans for a brick school building at Olig; 2 classrooms, assembly hall, library; ruffled brick exterior, clay tile roof. Also for a frame and plaster "teacherage" to provide apartments for 6 teachers. Bonds in the sum of $75,000 have been voted. Bids will soon be called for.

STOCKTON, San Joaquin Co., Cal.—Plans are being rushed to completion for the first improvements of Stockton School program under the recent bond issue of $1,275,000 of which $500,000 is now available.
Davis Heller & Pearce, Belding Bld., Stockton have been selected as supervising architects.
Following is a list of the improvements for which plans are underway:
**W. J. Wright**, Bank of Italy Bldg., Stockton, Fair Oaks School, an eight-room addition and general reconstruction of present brick and frame building. Cost, $90,000.
**Peter Sala**, Willhoit Bldg., Stockton, Jefferson School, a four-room addition to brick and frame building. Cost, $45,000.
**Frank Mayo**, Yosemite Bldg., Stockton, El Dorado School, a four-room brick and frame school. Cost, $45,000.
**Louis Stone**, 1144 San Joaquin St., Stockton, an addition to chemistry and shop building at the High School (brick, stone and frame construction with sandstone exterior). Cost, $200,000.
**Franklyn E. Warner**, Belding Bldg., Stockton, Grant School, a new eight-room brick, concrete and frame school (1st unit of sixteen-room school). Cost, $90,000.
NOTE:—Each architect will have charge of taking figures for his respective school.

PASADENA, Los Angeles Co., Cal.—Architect Bertram C. Goodhue of New York City, is preparing plans for the new Norman Bridge physical laboratory building to be erected at California Institute of Technology (Throop Institute) at Pasadena. The building will be reinforced concrete construction. It will cost with equipment, $200,000.

YUBA CITY, Sutter Co., Cal.—A committee has been appointed to confer with the City Trustees regarding a bond election to finance construction of a new grammar school building.

OAKDALE, Stanislaus Co., Cal.—Preparations are being made to call an election to vote bonds with which to finance construction of a new high school building. A site for the proposed structure is now under consideration.

RIO BRAVO, Kern Co., Cal.—Recommendations have been made to the Trustees of the Rio Bravo School District to construct an additional two-rooms and assembly hall to the present school building. According to estimates submitted the work will cost about $22,000.

Contract Awarded.
SCHOOL Cost, $13,800
LEBEC, Kern Co., Cal.
One-story frame plaster and adobe school.
Owner—Pershing School District.
Architect—Not Given.
Contractor—Yancey & Rogers, Bakersfield, Cal.

MONTEREY, Monterey Co., Cal.—Following bids were received by Architects Paul V. Tuttle and Arthur W. Angel, Associate, 565 Lighthouse avenue, Pacific Grove, for the heating systems, window shades and program clock systems for two concrete grammar school buildings for the Monterey School District.

**Heating Systems.**

**Atlas Heating and Ventilating Co.**, six-room building, $2,490; fourteen-room building, $4,990.
**James A. Nelson**, six-room building, $2,704; fourteen-room building, $5,293.
**Carl T. Doell**, six-room building, $2,546; fourteen-room building, $4,813.
**Bay Engineering Co.**, six-room building, $2,544; fourteen room building, $6,201.
**W. K. Nottingham & Co.**, six-room building, $2,633; fourteen-room building, $4,555.

**DRAPERY SHADES.**

**C. F. Weber Co.**, six rooms, $243.85; fourteen rooms, $696.75.
**Rucker-Fuller Co.**, six rooms, $140.95; fourteen rooms, $434.20.

**PROGRAM CLOCKS.**
**(One Bldg. only.)**

**Noggle Electric Works**, $1289.75.
**Holmans Dept. Store**, $895.

SANTA ANA, Orange Co., Cal.—J. B. Dawson, Fay Bldg., submitted the lowest bid at $133,300 on the general contract for the erection of an auditorium and additions to the high school at Santa Ana. Norman F. Marsh, 210 Broadway Central Bldg., is the architect. The low bidders on the other contracts were: Dale Plumbing Co. of Santa Ana, on the plumbing; Wornell & Drawbaugh of Pasadena, on the painting; F. E. Newberry Electric Co., on the wiring, and S. Hill & Son of Santa Ana, on the heating. The bids were taken under advisement. Bids opened May 11. Other bids on the general contract were: K. R. Bradley, $137,673; John Simpson Co., $143,050; Daniels & Farisss, $146,120; G. McNeil, $148,818, and J. Simon Fluor, $150,576.

BAKERSFIELD, Kern Co., Cal.—May 28th is the date set in the Lost Hills and Martin School Districts, to decide the question of levying a tax of $25,000 to finance the building of an additional classroom, 30x30, to the present building; building a five-room teacherage; installing one 10,000 gallon water tank, and making necessary repairs.
Trustees of the District are: A Tate, R. E. Stearns, H. W. Hendar,

Plans Being Figured. Bids Close May 29, 2 P. M.
SCHOOL Cost, $——
ROSEDALE, Fresno Co., Cal.
Two-room school building including library.
Owner—Rosedale School District. George Meyers, Clerk, Rosedale.
Architects—Glass & Butner, Cory Bldg Fresno.
Plans may be had from the office of the architects. Certified check for 10% payable to Clerk of District required.

Plans Being Figured. Bids Close May 29, 10:30 A. M.
SCHOOL Cost, $——
CALWA, Fresno Co., Cal.
School and outbuildings.
Owner—Calwa School District. B. H. Bon, Clerk of Board, Calwa, Cal.
Architects—Swartz, & Ryland 624 Rowell Bldg., Fresno.
Plans may be had from the office of the architects. A certified check of 10% payable to Clerk of District required.

Plans Being Figured. Bids Close June 5th, 3 P. M.
SCHOOL BLDG. Cost, $——
NICOLAS, Sutter Co., Cal.
School building.
Owner—Nicolaus Grammar School District. Chas. Grider, Clerk, Nicolaus Cal.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Plans may be had from the office of the architects on deposit of $10. Certified check of 5% payable to Clerk of District required.

Plans Completed.
SCHOOL Cost, $100,000
SEATTLE, Wash. NE 18th Avenue and Adler Street.
Two-story and basement brick and stone school. 110x85.
Owner—Hebrew Free School.
Architect—B. Marcus Pretica, Pantages Bldg., Seattle, Wash.

PHOENIX, Ariz.—Architects Lescher & Kibbey of Phoenix, will complete plans for the liberal arts building for the Phoenix Union High School in about two weeks. It will be two stories and basement Classical design. Class A construction with plastered exterior and artificial stone trim. There will be 20 classrooms on the first and second floors and cafeteria in basement. Cost, $200,000.

REDLANDS, San Bernardino Co., Cal.—Robert Ogden, 3030 Kenwood Ave., has been awarded the general contract at $100,413 for the erection of a new school building at Redlands. The other contracts were awarded as follows: Plumbing to Thomas Haverty Co. at $7,450; electric work to Foulkes Electric Co. at $3,280; plastering to Ed Westberg at $12,932; blackboards to C. F. Weber Co. at $2,250; metal lockers and partitions to Bowen Metal Furniture Co. at $4,417.20; shades to Broadway Department Store at $833.40; painting to B. S. Mason at $3,185; steam heating to J. Hokom at $6,976. Edwin Bergstrom, 1129 Citizens National Bank Bldg., is the architect.
The building will contain sixteen standard class rooms and study rooms, teachers' rooms, library and principal's offices. Reinforced concrete construction, 17x95 ft.

MARTINEZ, Contra Costa Co., Cal.—The following bids were received on May 21st by the Trustees of the Alhambra Union High School District for the construction of a two-story reinforced brick or reinforced concrete high school building from plans prepared by Architect A. A. Cantin, 68 Post Street, San Francisco.

Bids were taken on the following propositions:

(1) Building complete with reinforced brick walls, except plumbing, heating, clock system, electric wiring and fixtures.

(2) Building complete with reinforced concrete walls (except plumbing, heating, clock system, electric wiring and fixtures).

(3) Omit all steel lockers.

(4) Omit reinforcing bars from brick walls.

(5) Omit all finish hardware, and Hauser patent window fixtures.

(6) Omit all blackboards.

(7) Omit all T. & G. floors and deadening.

(8) Omit all terra cotta tile roofing.

(9) Omit all window shades.

**McLeran & Peterson, San Francisco** (1) $149,800; (2) $144,800; (3) $2,300; (4) $700; (5) $2,700; (6) $1,200; (7) $2,000 (8) $4,000; (9) $1,150.

**Hannah Bros., San Francisco** (1) $147,950; (2) $139,470; (3) $2,000; (4) $400; (5) $3,000; (6) $1,200; (7) $4,500; (8) $3,500; (9) $1,200.

**Jas. L. McLaughlin**, San Francisco (1) $160,000 (2) $150,000; (3) $2,265; (4) $1,000; (5) $2,000; (6) $1,000; (7) $4,000; (8) $3,00; (9) $1,000. (Omit Manual Arts Building, $16,000).

**R. Trost, San Francisco** (1) $——; (2) $135,987; (3) $1,680; (4) $——; (5) $3,000; (6) $950; (7) $6,160; (8) $3,485 (9) $1,330.

**Harvey A. Klyce, San Francisco** (1) $148,260; (2) $144,885; (3) $2,370; (4) $2,960; (5) $2,826; (6) $1,240; (7) $5,355; (8) $3,826; (9) $1,196.

**Electrical Work.**

Butte Electric & Equipment Co., Wiring, $6,281; Fixtures, $3,900.

Roberts Mfg. Co., Fixtures, $1,894.

**Time Clock System.**

Standard Electric Time Co., $1,820.

**Plumbing.**

James & Drucker, S. F.....$6,240
Scott Co., S. F..... 7,710
Hatley & Hatley, Sacramento 6,876
H. L. Brady, Martinez..... 7,347

The bid of the Butte Elec. & Eq. Co. was rejected as it was the only one received and combined both electric wiring and fixtures.

The fixture contract was awarded to The Roberts Mfg. Co. and time clocks to the Standard Electric Time Co.

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Plans Being Figured. Bids Close May 29, 1 P. M.
SCHOOL Cost, $——
TRAVER, Tulare Co., Cal.
Frame school.
Owner—Traver School District., A. T. Tenneson, Clerk, Box 324 Route "A," Kingsburg, Cal.
Architect—J. M. Saffell, Bakersfield.

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Plans Being Figured. Bids Close June 2nd, 5 P. M.
SCHOOL Cost, $——
WOODY, Kern Co., Cal. Near Woody.
Frame school building.
Owner—Blake School District, Roy Brown, Clerk.
Architect—J. M. Saffell, Bakersfield.
Plans may be had from the architect. Certified check for 10% payable to Clerk of District required.

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Commissioned to Prepare Plans and Superintend Construction of Richmond Schools.
SCHOOL BLDGS Cost, $350,000
RICHMOND, Contra Costa Co., Cal.
Class "C" grammar school buildings.
Owner—City of Richmond.
Architect—Jas. T. Narbett, 904 Macdonald Ave., Richmond.
In addition to the grammar school Mr. Narbett has been commissioned to prepare plans for an addition to the present high school building.

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LONG BEACH, Los Angeles Co., Cal.—Adolph Marx, 25 Fifteenth Place, Long Beach, contemplates erecting an eight-story office building for the occupancy of physicians, surgeons and dentists, on property 50x141 ft., at the northeast corner of Ocean Blvd. and Locust avenue, Long Beach, which he has recently acquired. The site is now occupied by a one-story brick building, but all leases can be terminated in four months.

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HOLLISTER, San Benito Co., Cal.—Bids were opened on May 15th by the Trustees of the Fairview School District for the construction of a one-story frame and plaster two-room school building from plans prepared by Architect W. H. Weeks, 75 Post street, San Francisco. The following bids were received and taken under advisement:

Chas Younger, Hollister (1) $18,484; (2) $19,287.

Sparling & Son (1) $20,000; (2) $20,683.

Ruegg Bros. (1) $20,990; (2) $22,190.

## STORES AND OFFICES.

Plans Being Figured. Bids Close May 21, 1920.
AUTO SALES BLDG. ETC Cost, $——
SAN JOSE, Santa Clara Co., Cal. SW Sixth and Santa Clara Streets.
Two-story brick and frame auto sales and garage building.
Owner—Campen Bros.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose, Cal.
NOTE:—Figures are being taken for a general contract.

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Concrete Work Contract Awarded.
STORE BLDG. Cost, $15,000
SAN FRANCISCO. Grant Avenue near Pine Street.
One-story, basement and mezzanine concrete store building.
Owner—R. J. O'Brien.
Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.
Adam Arras, 110 Jessle St., has been awarded the contract for excavating and concrete work at $6,000.

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Bids Being Taken for Piling.
OFFICES AND LOFTS Cost, $——
SAN FRANCISCO. N Sacramento St. through to Commercial, also facing on Leidesdorff Street.
Five-story and basement reinforced concrete building (offices and lofts for printing and commercial companies).
Owner—Edw. Barry Co., 215 Leidesdorff St., San Francisco.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.

Contract Awarded.
AUTO SALES BLDG. Cost, $150,000
SAN FRANCISCO. SW Van Ness Avenue and Washington Street.
Three-story reinforced concrete auto sales building.
Owner—L. D. Allen, 1625 Van Ness Ave., San Francisco.
Architect—Arthur Scholz, Care Owner.
Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.
MacDonald & Kahn are also building a three-story reinforced concrete auto sales building for the same owner at the NW corner of 21st and Webster streets, Oakland, to cost $100,000.

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Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. Montgomery St.
Alter five-story brick loft building into offices (new entrance, interior partitions, trim, painting, papering, fixtures, marble work, etc.)
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.

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Plans Being Prepared.
STORES Cost, $22,000
CHICO, Butte Co., Cal. Third and Salem Streets.
One-story and basement reinforced concrete (3) stores, 75x66.
Owner—Reynolds & Dyer, Chico.
Architect—Chester Cole, Chico.

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Segregated Figures Being Taken.
STORE BLDG. Cost, $30,000
SAN FRANCISCO. Eddy Street West of Jones Street.
Two-story concrete store building.
Owner—Alvin Selig.
Architect—Mathew O'Brien, 68 Post St., San Francisco.

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Plans Being Completed.
OFFICES Cost, $75,000
HOQUIAM, Washington.
Fireproof stone and terra cotta offices, 130x40.
Owner—Poulson Logging Co., Hoquiam Washington.
Architects—Bebb & Gould, Securities Bldg., Seattle, Wash.

## THEATRES.

Bids Ran High. Plans May Be Revised
THEATRE Cost, $75,000
MARTINEZ, Contra Costa Co., Cal. Cor. of Ferry and Ward Streets.
One-story reinforced concrete theatre and store building, 1000 seats (3 or 4 stores).
Owner—A. A. McKeon, Walnut Creek. J. R. Saul, Pacific Bldg., Representing Lessee.
Architects—Reid Bros., 105 Montgomery St., San Francisco.
NOTE:—The bids received were considerably above the estimate and plans will be slightly revised. It has not been decided whether new bids will be called or if the lowest bidders will be asked to revise their figures.

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Plans Being Prepared.
ALTERATIONS Cost, $6,000
SANTA CLARA, Santa Clara Co., Cal. Rex Theatre.
Alter theatre (additional seats, heating and ventilating system, marques, etc.)
Owner—Ennio Lion.
Architects—Wolfe & Higgins, San Jose

Working Drawings Being Prepared.
THEATRE, ETC. Cost, $1,000,000 or more.
LOS ANGELES, Cal. SW Eighth and Hill Streets.
Eight-story Class "A" theatre and office building, 175x159.
Owner—Orpheum Theatre Co.
Architect—G. A. Lansburgh, 709 Mission St., San Francisco.

Plans Being Rushed to Completion.
THEATRE & OFFICES. Cost, $1,000,000 or more.
SAN FRANCISCO. NW Taylor and Golden Gate Avenue, 137-6x192½.
Eight-story Class "A" Junior Orpheum Theatre and Office Building.
Owner—Orpheum Theatre.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.

Plans Being Prepared.
THEATRE Cost, $1,000,000 approximately.
SAN FRANCISCO. S Market Street near Fourth Street.
Class "A" motion picture theatre.
Owner—Herman Wobber and Herbert Rothchild, Pacific Bldg., San Francisco.
Supervising Architect—Thos. W. Lamb, New York.
Local Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

Mr. Wobber stated today that plans were expected to arrive here in about a month and that in all probability Mr. Jacobs would be selected as the local architect.

### A NEED OF REAL HOMES

In helping solve the housing problem of the cities the apartment house meets a very real demand. There is need for such houses with sufficient rooms to care for families. There is a place for others with smaller quarters where bachelor apartments may be maintained. It is well for cities to have apartment houses in such number as to help meet the demand for quarters from those who prefer to live in rooms without the advantage of yard and garden.

But it is far better for a city to have a hundred new separate homes erected than to have a hundred-family apartment house constructed. The proper and natural way of living is for one family to have a house, with the little grass plot in the yard, a bit of garden in the back part of the lot, with the freedom and conveniences and privacy that separate homes provide. Columbus has a housing demand now that calls for some more apartment houses, those with proper conveniences and a rental not too great. But it has a greater need for more separate homes. There are hundreds of vacant lots in every section of the city. Homes should be built on these lots, the cost of the building being suited to the neighborhood. There is a great need for the home that will care for small families, homes within the purchaeing power of the man of limited means, who has saved some money, is well, employed and wants to pay out for his home during the coming years. Every man is a better citizen when he becomes a home owner.—Ohio State Journal.

# Engineering.

## BRIDGES, DAMS & HARBOR WORK.

ST. JOHNS, Ariz.—New bids have been asked for the completion of the Lyman dam, D. K. Udall and associates, to whom the contract was awarded at $151,000 not having furnished a bond satisfactory to the State Loan Board.

SAN FRANCISCO.—The State Board of Harbor Commissioners have rejected all bids for the construction of a bulkhead wharf and timber approach to Pier No. 19 on the San Francisco Waterfront. New bid will be called later. Healy-Tibbits Construction Co. submitted the lowest bid at $21,440.

OROVILLE, Butte Co., Cal.—The bid of T. H. Polk, of Chico, at $5,894 for the construction of a bridge across Honcut Creek, on the Wyandotte and Honcut county road, near old Kentucky Ranch, has been accepted by the Supervisors. C. F. Belding is County Clerk.

SAN FRANCISCO.—Bids were opened on May 21st by the State Board of Harbor Commissioners for furnishing materials and constructing an extension to Pier No. 20:

Healy-Tibbitts Construction Co., 9 Main street, submitted the lowest bid at $44,199 and were awarded the contract. Following is a complete list of the bids received:

| | |
|---|---|
| Healy-Tibbitts Constr. Co. | $44,199 |
| Clinton Constr. Co. | 45,418 |
| Tibbitts-Pacific Co. | 45,909 |
| A. W. Kitchen & Co. | 46,670 |
| Hannah Bros. | 53,540 |

SAN LEANDRO, Alameda Co., Cal.—The City Trustees at their last meeting discussed the proposed rights-of-way for bridge across San Leandro Creek at Santa Clara and Alvarado streets, but no definite action was taken.

R. H. Goodwin, 579-25th St., Oakland, is City Engineer.

Plans Approved.
BULKHEAD BLDG. Cost, $——
SAN FRANCISCO. Pier No. 27, San Francisco Waterfront.
Bulkhead building, 200x70.
Owner—State Board of Harbor Commissioners.
Engineer—Frank G. White, Chief Eng. Ferry Bldg., San Francisco.

NOTE:—Construction will not be started for several months as the pier is under construction at the present time.

LONG BEACH, Los Angeles, Cal.—Construction of jetties to provide anchorage for small boats at Alamitos bay is being considered by persons represented by Engineer James F. Collins. Jetties have been planned to cost $200,000, but for the present only a part of these will be constructed at a cost of about $50,000. Formation of an assessment district for the project is being considered.

EUREKA, Humboldt Co., Cal.—The Supervisors, Fred M. Kay, Clerk, have accepted the bid of the Englehart Construction Co., of Eureka, at $21,113 for the construction of the bridge over Elk River on the State Highway. The only other bidder for this structure was Padgett and Kelly at $22,750.

The Englehart Company was also awarded the contract for four wooden bridges and one steel cable suspension bridge with 16-foot roadway on the Lord Ellis road on its bid of $39,300.

Bids for other bridge structures opened at the recent meeting of the County Board are still under advisement.

RENO, Nevada.—Bids will be received by J. E. Sullivan, City Clerk, up to June 28th, 8 P. M. for the construction of two girder type reinforced concrete bridges across the Truckee river at Chestnut Street.

South bridge to be single span with 45-foot clear water way; north bridge to have a clear water way of 120 feet, and not more than 3 spans. Bridges to have an outside width of 40 feet, with 24-foot roadway, and a walk on each side.

Bidder to furnish complete set of plans and specifications and bid on his own plans.

For location, profile and complete information address office of the City Engineer. Certified check of 5% required.

SANTA ROSA, Sonoma Co., Cal.—W. W. Felt, Jr., County Clerk, has been instructed to call bids for the construction of the Sonoma-to-State unit of the county highway system and for the construction of three concrete bridges at the Noble, Jones and Collins places.

Lloyd Aldrich is County Engineer.

## IRRIGATION PROJECTS.

BLYTHE, Riverside Co., Calif.—W. S. Stephens of the Stephens Cotton Co., R. F. Garnett & J. J. Phillips of Blythe and J. W. Walker, realty broker, have purchased 10,000 acres in Cibola valley across the Colorado river in Arizona, and plan to spend $2,000,000 constructing an irrigation system, a railroad and a bridge across the Colorado river and flood protection works.

OROVILLE, Butte Co., Cal.—F. M. Turner of Bangor, Secretary of the Honcut-Yuba Irrigation District, has announced that an impounding dam and reservoir site had been secured on Dry Creek, in North Yuba County, embracing a large acreage of what is known as the Virginia Ranch, where sufficient water can be stored to supply 27,500 acres of land in Butte and Yuba Counties, included in the Honcut-Yuba District.

According to Turner, the reservoir site, which covers 800 acres, has been approved by the State Engineer.

## LIGHTING SYSTEMS.

HAYWARD, Alameda Co., Cal.—Petitions have been received by the City Trustees seeking the installation of electroliers in the principal streets of the city. It is asked that a lighting district be formed to finance the work.

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

NAPA, Napa Co., Cal.—The County Supervisors, James A. Daly, Clerk, have instructed the County Engineer to prepare plans for culverts at the following locations:

Extension of F street; Cunningham corner; Pubelo avenue, near Jasper place; Pueblo avenue, near Walling's slaughter house; corner Lincoln and Trancas avenues; First avenue, near Elicker place; Lomo Heights, near Mt. George Farm Center Building; American Canyon road leading to Flosden; Poulson road in Soscol District.

Plans were also ordered for the following improvements:

The improvement of roadway from the west end of Lincoln avenue to Peter's place and from Mrs. Spencer's corner to the main county road at Cunningham's corner.

For the repair of road leading from the McKay place to the entrance to the Napa Soda Springs, also for a deck on the bridge opposite the Nixon ranch.

For two reinforced concrete bridges across Napa river east of Rutherford and Hopper Slough.

For a concrete bridge near the Foster ranch and for re-building the end walls on bridge near the I. F. Johnson ranch in Wooden valley, and for two small culverts in Wooden valley.

For a concrete culvert on Butt's Canyon road, about one mile from Pope Creek, and for two concrete culverts on Conn valley road between the Howell Mountain road and the Chiles valley road.

For a concrete deck on the bridge across Carneros Creek on the lower road.

CHICO, Butte Co., Cal.—In addition to work previously mentioned the City Trustees have passed a resolution of intention providing for the improvement of South Broadway from the south end of the bridge crossing Little Chico Creek to Sixteenth street (formerly known as Del Norte street), by grading, and paving with 2½-inch asphalt concrete base and a 1½-inch Warrenite-bitulithic wearing surface, constructing concrete curbs, gutters, sidewalks, storm water drains and culverts. Ira R. Morrison is City Clerk.

SAN RAFAEL, Marine Co., Cal.—S. P. Brownlee has been awarded a contract by the County Supervisors for the regrading of the Pt. San Pedro road.

SONOMA, Sonoma Co., Cal.—May 28th is the date set by the City Trustees to decide the question of issuing and selling bonds of $57,000 to provide for the pavement of the principal streets and the construction of an extension to the present sewer system.

Plans for the work are being completed by Engineers Howe and Peters, 24 California street, San Francisco.

STOCKTON, San Joaquin Co., Cal.—G. W. Hill, a member of the engineering department of the State Railroad Commission has been in Stockton investigating the plan for the proposed subway under the S. P. tracks at East Fremont street. An early report is expected.

PHOENIX, Ariz.—Until 10 A. M, June 16, bids will be received by City Manager V. A. Thompson for the installation complete of an infiltration intake system for the Verde gravity water supply, consisting of 13,000 lin. ft. 60-in. reinforced concrete pipe, trench excavation varying from one to 25 ft. cut.

Bids will also be opened on the same date for excavating and back filling pipe line trench, and placing foundations and trestles and for hauling and distributing all materials for 32 miles of 36-in. and 38-in. redwood continuous stave pipe for the Verde gravity water system. Certified check for 5% required. Plans and specifications may be obtained from city engineer on deposit of $5.

SANTA ROSA, Sonoma Co., Cal.—The Board of Supervisors has set aside the sum of $100,000 to be utilized in the construction of the road from Valley Ford to Bloomfield toward Two Rock.

Lloyd Aldrich is County Highway Engineer and W. W. Felt, Jr., County Clerk.

VALLEJO, Solano, Cal.—Wade H. Madren has requested the City Council to establish grades in the Garden subdivision so that the work of installing sidewalks, grades, curbs, sewers, and city water may be undertaken at once.

T. D. Kilkenny is City Engineer.

MODESTO, Stanislaus Co., Cal.—The City Council, W. O. Thompson, Clerk, has passed resolution of intention No. 98 providing for the improvement of 14th St., from L to Needham St., and L from 14th to Needham St., by grading, paving with a 4-inch concrete base and a 1½ inch Bitulithic wearing surface, construction of concrete curbs and gutters. Resolution of Intention No. 99 has been passed by the Council providing for the similar improvements in Fifteenth St., between H and I streets. Work will be done under the Improvement Act of 1911.

EAGLE ROCK CITY, Los Angeles Co., Cal.—Wm. Liddington, 420 E. 60th St., Los Angeles, was awarded the contract on May 10 at $46,753 for paving Central avenue between Colorado Blvd. and south city boundary with 5-in. concrete. T. A. Jordan, Washington Bldg., Los Angeles, City Engineer.

The bid of W. F. Hewitt for labor, materials and equipment for surfacing streets with rock and oil was rejected and the work will be done by force account under the supervision of Claude N. Bramble, Superintendent of Streets.

SANTA ROSA, Sonoma Co., Cal.—Following bids were received by the County Supervisors, W. W. Felt Jr., Clerk, for road materials:

E. B. and A. L. Stone Co., 15,000 tons rock at $245 f. o. b. Two Rock; Coast Rock & Gravel Co., at $75 a ton at the plant at Eliot, Cal.; Both bids were rejected owing to the failure to enclose certified checks.

The Pratt Building Material Co. made a proposal to furnish rock at $175 a tone f. o. b. Valley Ford, but made no bid.

CHICO, Butte Co., Cal.—The City Trustees, Ira R. Morrison, Clerk, have passed resolution of intention No. 158 for the improvement of the following streets by grading and paving with 2½-inch asphaltic concrete base and 1½-inch Warrenite-Bitulithic wearing surface, constructing culverts, storm water drains, concrete curbs, gutters and sidewalks:

Broadway, from a line 59 feet South of Eighth St. to the North end of the bridge crossing Little Chico Creek.

South Salem St., from South end of the bridge crossing Little Chico Creek to the Eleventh (also known as Academy) St. and from Butte St. to Calavaras St.

Butte St., from South Broadway to South Salem St.

Fourth Street, from Main St. to Wall St.; Wall St. to Flume St.; Flume St. to Orient St.; Orient to Olive St.; Olive St. to Pine St.; and from Pine St. to Cypress St.

Flume St., from Third St. to Fourth St.; also for the improvement of 2nd St., from Salem to Sycamore and from Sycamore to Chestnut with similar improvements except that the concrete base shall be 4-inches thick.

Work will be done under the Improvement Act of 1911.

VALLEJO, Solano Co., Cal.—The bid of Chas. Lindgren of Burlingame for the construction of cement sidewalks in all improved streets has been rejected by the City Council, and new bids will be called. The bid was $46,373.34.

The Council plans to divide the work in five contracts under the new call for bids.

Alf. E. Edgcumbe is City Clerk and T. D. Kilkenny, City Engineer.

OAKLAND, Cal—The City Council, L. W. Cummings, City Clerk, has passed resolution of Intention No. 20214 providing for the improvement of Over St., from Suter to Porter and No. 20216 for the improvement of Viola St., from Suter to Porter by grading, constructing concrete curbs and gutters, cement sidewalks and paving with oil macadam.

SAN RAFAEL, Marin Co., Cal.—Up to June 8th, 2 P. M., bids will be received by Rob. E. Graham, County Clerk, for laying concrete pavement and curbs, establishing grades, constructing subgrade, drains, catchbasins and culverts, in and upon the following streets: Willow avenue, Live Oak avenue and Laural avenue throughout their entire length in Road Improvement District No. 6.

Work will be done under the Road District Improvement Act of 1907. Certified check for 10% payable to Presiding Officer of Board of Supervisors, required.

Separate bids will be received on the same date for laying pavement and constructing subgrade on a portion of the County Road leading from Kentfield to Greenbrae and on a portion of the County Road known as Laurel Grove avenue, and for cleaning gutters on the County Road known as the 'D" Street Grade, all in Road District No. 9.

SAN FRANCISCO.—The Board of Public Works has passed a resolution of expediency and approved specifications for the construction of a sewer in Delta street between Wilde street and Tioga avenue. It is estimated the sewer will cost $1,075.

BERKELEY, Alameda Co., Cal.—Owing to protests the City Council, A. G. Briggs, Clerk, has voted to postpone the matter of improving Eighth street between Virginia and Carmelita streets.

VENTURA Venturia Co. Cal.—The city trustees have adopted resolutions of intention ot pave Poli St. from Oak to Hemlock, Santa Clara St. from California to Spruce; Spruce from Main to Front; Meta St. from the Ventura & Ojai tracks to Crimea and Front St. from California to Hemlock. E. M. Lynch, Central Bldg., Los Angeles, is the engineer in charge of the paving.

SAN RAFAEL, Marin Co., Cal.—Despite protests the City Council has ordered the formation of an assessment district to finance improvements in the Picnic Valley and Southern Heights sections. The work planned under the proposed district will cost about $45,000, including the construction of a concrete bridge in the Southern Heights Boulevard.

Specifications were presented to the Council for the improvement of Tamalpais avenue, but action deferred until the next meeting.

NAPA, Napa Co., Cal.—Following bids were received by the County Supervisors for placing corrugated iron culverts and constructing the box culverts on the County Highway: John Coga, $5,874.28; Harry Thorsen, $5,016.28; Frank Gaggero of Napa, $4,535.80.

Contract was awarded to the last-named bidder.

OLYMPIA, Wash.—Following contracts have been awarded by the Washington State Highway Commission:

**Six 20-foot span concrete bridge on the Olympic Highway in Thurston County over Mud Bay near Olympia.**

Awarded to Union Bridge Co. of Portland, at $32,106.

**Olympic Highway in Mason County** by clearing, grading and graveling 5.6 miles of road awarded to Allred, James & Hendricks of Centralia, at $73,399.79.

**Four miles of National Park Highway in Lewis County,** awarded to Hendricks, Firstad & Hendricks of Chehalis at $62,681.20.

Work will consist of grading and planking.

SAN FRANCISCO.—Bids will be received by the Board of Public Works up to June 2nd for the improvement of the north one-half of Sloat Boulevard between the Great Highway and 40th avenue. The work is estimated to cost $33,000.

REDWOOD CITY, San Mateo Co., Cal.—The County Supervisors, Elizabeth M. Nash, Clerk, is planning the improvement of the county road between San Gregorio and Tunitas by day labor.

The only bid received for the work at a recent meeting was that of Chas. J. Lindgren at $29,000 and this was rejected.

PORTLAND, Ore.—Two bids were received by the City Council for the construction of a trunk sewer in East Thirteenth street as follows:

R. G. McMullen (kind of pipe not given), $100,514.41.

Jacobsen-Jensen Co., cement sewer pipe, $110,526.24.

VENICE, Los Angeles Co., Cal.—Braun, Bryant & Austin, Inc., of Santa Monica, were awarded the contract for constructing about 17,000 sq. ft. cement sidewalk on Vernon Ave. between Fourth and Seventh streets, at 20¼c sq. ft. Sander Pearson submitted the only other bid at 21¼c.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council, S. A. Evans, Clerk, has passed a resolution of intention providing for the construction of a six-inch sewer in a portion of the River street extension; 2 brick manholes and 22 Y branches, each having 4-inch opening.

Work will be done under the Improvement Act of 1911.

OROVILLE, Butte Co., Cal.—The County Supervisors have accepted the bid of D. C. Howard, Capitol National Bank Bldg., Sacramento, at $0.049 cents per sq. ft. for the Construction of certain road on 8th avenue in Chico Vecino and on Pomona avenue, at Chico. C. F. Belding is County Clerk.

MESA, Ariz.—The town council has adopted a resolution of intention to pave First street between Hibbert and Hobson streets, with 4-in. cement concrete base and bitulithic wearing surface; also to pave First street between McDonald and Robson street, with 4-in. cement concrete base and bitulithic wearing surface; work to be done under Bond Act of 1919.

SEATTLE, WASH.—The Independent-Asphalt Paving Co., Seaboard Bldg., Seattle, submitted the only bid to the King County Commissioners for surfacing 1½ miles of the Kent-Black Diamond Highway for $64,900 and was awarded the contract. The bid was $10,000 over the estimate of the county engineer.

TUCSON, Ariz.—The $75,000 bond issue to construct reinforced concrete culverts over the Arroyo Seco on Ninth street, Fourth avenue, and Main street carried at the special election. The proposed bond issue for the Stone avenue and Sixth avenue subways was defeated.

LONG BEACH, Los Angeles Co., Cal.—James Kennedy, Washington Bldg., Los Angeles, submitted the lowest bid at about $44,000 for constructing vitrified pipe sewers in Hill street and 18 other streets and a sewage pumping plant.

PHOENIX, Ariz.—The $140,000 bond issue for improvements to the city water system carried at the special election. A standpipe will be erected on the north side, a reservoir will be constructed, a booster pumping plant and additional fire hydrants will be installed.

SAN FRANCISCO—At a recent conference with the Chamber of Commerce City Engineer M. M. O'Shaughnessy outlined plans for the removal of Rincon Hill. According to estimates submitted by the City Engineer's office it will cost $4,000,000 to complete the work.

VALLEJO, Solano Co., Cal.—Permission has been asked of the City Council by property owners to construct sidewalks in Wilson avenue under private contract.

T. D. Kilkenny is City Engineer.

SACRAMENTO, Cal.—A petition asking the improvement of the alley between J, K, Fifteenth and Sixteenth streets has been referred to the Street Department for report.

WILLOWS, Glenn Co., Cal.—The matter of paving several streets will be considered at the June 7th meeting of the City Trustees.

LOS ANGELES, Cal.—Los Angeles Paving Co., 2900 Santa Fe Ave., submitted the lowest bid at approximately $50,000 for paving 39th St., between Vermont Ave. and Western Ave., with 5" bituminous base with 2" asphalt surface.

SANTA CRUZ, Santa Cruz Co., Cal.—At the last meeting of the City Council a resolution ordering plans and specifications for the construction of a sewer on a portion of Sadie street, was placed on final passage.

VALLEJO, Solano Co., Cal. —On recommendation of City Engineer T. D. Kilkenny, the Council has granted permission to property owners in Hichborn street to construct a sewer in that thoroughfare by private contract.

SAN BRUNO, San Mateo Co., Cal.—James Currie, 3120 Balboa Street, San Francisco, submitted the only bid to the City Trustees for the installation of a water system consisting of pipes, hydrants and appliances. The bid was $57,572.52 and was rejected.

This is the second time bids for the work were opened, Currie being low on the first call with a bid of $56,-258.24, which was above the estimate of the engineer.

Nettie A. Willits is City Clerk.

GLOBE, Ariz.—Until 2 P. M., June 5, bids will be received by Thomas Maddock, state engineer, at office of supervisors of Gila Co., Globe, Ariz., for constructing concrete bridges and culverts on Secs. A and B Globe-Geronimo highway, involving 3360 cu. yds. excavating 986 cu. yds. concrete and 28,000 lbs. reinforcing steel. Plans may be obtained from state engineer at Phoenix on payment of $5.

GLENDALE.—W. E. Burke and H. S. Graul, South Hill St., Los Angeles, submitted the lowest bid at $199,529 for improving the Sycamore Canyon road, about 7500 lin. ft., involving 14,000 ft. Class "A" curb at 60c ft.; 5,000 ft. Class "B" curb at 47c ft.; 13,000 ft. Class "C" curb at 25c ft.; 89,000 sq. ft. cement sidewalk at 19½c ft.; 387,400 sq. ft. 5-in. concrete paving, including grading, at 34½c ft.; 14,800 sq. ft. 4-in. concrete paving at 32c ft.; 24,400 sq. ft. 6-in. oil macadam at 26¼c ft.; 15,000 ft. 1-in. pipe conduit at 50c ft., and culverts at $15,880. Courtland L. Hill, city engineer. The bid was taken under advisement.

BAKERSFIELD, Kern Co., Cal.—The City Council, V. Van Riper, City Clerk, has passed resolution of intention No. 883 providing for the improvement of Union avenue from Truxton Ave. to Sumner St., by grading and tamping sub-base and constructing three-inch Willite base and two-inch Willite wearing surface, concrete and corrugated culverts. Work will be done under the Improvement Act of 1911.

BISHOP, Inyo Co., Cal.—Wm. D. Walsh, 1235 Dewey Ave., Los Angeles, was awarded contract at $31,365 for constructing a vitrified pipe sewer system for Bishop, Inyo Co., involving 15,-360 ft. 6-in. pipe at $1.25 ft., 2800 ft. 12-in. pipe at $1.75, 1620 ft. 14-in. pipe at $1.75, 45 manholes at $75 each, and 8 flushtanks at $125 each. Young & Nunamaker bid $35,820 and M. Milovich, $35,847.90. Olmsted & Gillelen, Los Angeles, engineers.

SOUTH SAN FRANCISCO., San Mateo, Co., Cal.—Following is a complete list of bids received for the construction of the South San Francisco sewer system, the contract for which has has been awarded to C. B. Cowden, 1501 Larkin street, San Francisco at $25,961.15; T. E. Clinch, Richmond, $29,034; Chas J. Lindgren, Burlingame, $31,861.75; A. Mattson, San Bruno, $31,-690.

SALINAS, Monterey Co., Cal.—The construction of a sanitary sewer system in Spring's Second Addition was discussed at the last meeting of the City Council. Action was laid over until the next meeting.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, has passed resolution of intention No. 1487 providing for the improvement of Y street, from 34th to Santa Cruz Way by grading, constructing concrete curbs, gutters, sidewalks, four concrete manholes with C. I. curbs and covers, 9 C. I. gutter drains, constructing ironstone pipe sewer, and placing a 5½ inch asphaltic concrete pavement.

Work will be done under the Improvement Bond Act of 1915.

HAYWARD, Alameda Co., Co.—The Burnham Plumbing Co., 1220 Webster street, San Francisco, has been awarded a contract by the City Trustees for furnishing and delivering 1400 feet of 10-inch pipe to repair the water line of the pumping station. Three other bids were submitted.

ORLAND, Glenn Co., Cal.—The Town Trustees, Ralph W. Camper, Clerk, has passed resolution of intention No. 1, providing for the improvement of Tehama street, from Fifth street, for a distance 503 feet westerly; Fifth street from Tehama to Mill; Fourth from Swift to Mill; Third from Walker to Colusa; Walker from First to Sixth and Colusa from First to Sixth.

Estimated quanities follow:

1480 lin. ft. corrugated iron arch culverts; 6 manholes; 12,450 lin. ft. of tin conduit; removing 456 lin. ft. concrete culvert; 338 lin. ft. concrete drainage pipe; 33 lin. ft. concrete curb and 105 lin. ft. concrete approaches.

A 3½ inch asphaltic concrete pavement with a 1½ inch bitulithic wearing surface will be laid.

CALIPATRIA—H. H. Peterson of Calexico, was awarded the contract at $39,450 for constructing a vitrified pipe sewer system for Calipatria, involving 1620 ft. 12-in. pipe at $1.38 ft., 21,755 ft. 14-in. pipe at $1.45 ft., and 60 brick manholes at $94.50 each. His bid for cement pipe was $1.25 and $1.34. E. M. Lynch, Central Bldg., Los Angeles, engineer.

SAN BERNARDINO, San Bernardino Co., Cal.—Until 7:30 P. M., June 7, bids will be received by City Clerk J. H. Osborn for constructing an 8-in. vitrified pipe sewer in F St. between 10th and 11th Sts., and in Hansen St. between F and G Sts., together with flushtanks and manholes; work to be done under Imp. Act of 1911. Will L. Brown, city engineer.

SEATTLE, Wash.—Bids will be received by the King County Commissioners up to June 7th, 10 A. M. for the following county highway projects:

Paving 2 miles of the Richmond Highlands-Richmond Beach highway. P. H. No. 4 A.

Grading and gravelling of 3 miles of the North Park Improvement club Road—(105th St. East and West).

Clearing and grubbing of 2 miles of north end of A. Solberg road between Carnation Farm and Redmond—Falls City road.

Clearing and grubbing of 1 mile of south end of A. Solberg road.

Grading and gravelling of 1 mile of A. A. Cragin road south of Bellevue.

ORANGE, Orange Co., Cal.—The city engineer has been instructed to prepare plans for sewers in Chapman Ave., Jamison St., Water St., and South Center St.

SEATTLE, Wash.—The Grant-Smith & Co., Henry Bldg., Seattle, submitted the only bid to the Board of Public Works for the Cedar River Pipe line Number 3 from Molasses Creek to the Volunteer Park, Seattle, which line is to be of steel pipe line of 78 inch diameter with a total length of approximately 16 miles. The Grant-Smith & Co. bids ranged on specifications 1, 3 and 4 from $3,311,564.20 to $3,601,-025.75, the variation being principally on the thickness of the steel in the pipe line.

The bid was taken under advisement.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention No. 20226 providing for the improvement of portions of 45th avenue, Thompson street, and Courtland avenue between Melrose and San Carlos avenues, by grading; constructing concrete curbs and gutters; cement sidewalks and paving with oil macadam; vitrified pipe conduits, etc.

Resolution No. 20230 for the improvement of Lorenzo avenue from Marion avenue to Suter street by grading; constructing concrete curbs and gutters; cement sidewalks and paving with oil macadam.

Resolution No. 20228 for the improvement of Orion street from 57th to 64th avenues, by grading; constructing redwood curbs; concrete gutters; cement sidewalks; concrete culverts and walls; cast iron inlets and paving with oil macadam.

HOLLISTER, San Benito Co., Cal.—The City Trustees have instructed the Engineer to prepare estimates of cost for the improvement of the following streets:

West street, from Fourth to the County Road.

Hayden, from West to San Benito street.

Hawkins from West to San Benito street.

Seventh from West to East street.

Sixth from College to Sally street.

PETALUMA, Sonoma Co., Cal.—W. A. Dontanville has been awarded the contract for the removal of asphalt basalt blocks from Main and Third Sts., he being low bidder at $5,490. Other bids were:

| | |
|---|---|
| H. A. Agier | $5789 |
| S. E. Adams | 6185 |
| Woods and Silva | 6500 |

Lyman Green is City Clerk.

WOODLAND, Yolo Co., Cal.—The City Council has awarded contracts to the Clark & Henery Construction Co., for the improvement of First street, from Marshall to Hays; Marshall avenue, from College to First, and Hays street from College to First street by grading, constructing concrete curbs and gutters; paving with a bituminous base 3 inches thick with a wearing surface 2½ inches thick covered with a Warrenite Flush Coat Composition; basalt header blocks; corrugated iron culverts, etc.

Clark & Henery were also awarded the contract for similar improvements

in Lincoln avenue from West street to a line 330 feet east of Sixth street, including intersections.

Work will be done under the Improvement Act of 1911.

SAN DIEGO, San Diego Co., Cal.—Kier Construction Co., San Diego, submitted the lowest bid at $160,723.30 for grading and paving Lemon Grove road No. 4 from Greenwood cemetery to La Mesa.

PETALUMA, Sonoma Co., Cal.—The City Council has approved plans of City Engineer Frost for the Third St. sewer. Lyman Green is City Clerk.

STOCKTON, San Joaquin Co., Cal.—W. B. Hogan, City Engineer, has been instructed to prepare plans for sanitary sewers in the western portion of the city to replace septic tanks now in use. The section to be affected is that portion bounded by Willow street, Pershing avenue, Buena Vista avenue and North Park Drive.

The Council has approved plans for the installation of sanitary sewers in the district bounded by Taylor, Edison and Lincoln streets and Mormon channel. According to the estimate of the city engineer the work will cost $10,-341.

A. L. Banks is City Clerk.

NAPA, Napa Co., Calif.—The Standard Oil Co., at $13 per ton has been awarded a contract for furnishing and delivering one carload of asphalt for street improvements.

OROVILLE, Butte Co., Cal.—Bids for the first four sections of the proposed Butte County Highway System will be opened by County Supervisors June 8th. Plans for the four stretches approved at the last meeting of the County Board were:

1. Cana to State highway, 3 miles, asphalt macadam; amount available, under bond issue, $25,000.

2. Gridley-Colusa Road, 10 miles; bids to be asked on three types; amount available, $140,000.

3. Grand Avenue and Twelfth Street, Thermalito; 2 miles; asphalt macadam; amount available, $32,000.

4. Biggs to State Highway, 3 miles, asphalt macadam; amount available, $25,000.

Martin C. Polk is County Engineer and C. F. Belding, Clerk of the Board of Supervisors.

SANTA ROSA, Sonoma Co., Cal.—June 14th, 12 M., is the date set by the County Supervisors, W. W. Felt, Jr., County Clerk, for opening bids for the construction of "Sonoma-to-state-highway" highway, in First Supervisorial District, in Sonoma County, under Specification No. 17.

The estimate quantities for the work follow:

Total length of highway—7500 feet, or 1.42 miles.

| | |
|---|---|
| Grading | 5282 cubic yards |
| Concrete | 1852 cubic yards |

Estimated Cost—

| | |
|---|---|
| Grading | $ 6,338.00 |
| Concrete Paving | $36,662.00 |
| Total | $43,000.00 |

Highway construction funds available, $44,000.00.

Deposit of $10.00 required for plans. Lloyd Aldrich is County Engineer.

SAN FRANCISCO—The following bids were received by the Board of Public Works for sewer and street improvements:

**Sewer in De Long Street Bet. Liebig and Orizaba.**

| | |
|---|---|
| T. Gallagher | $3,979.50 |
| W. J. Tobin | 3,008.75 |
| State Improvement Co. | 4,394.50 |
| T. D. Harney | 10,455.50 |
| D. O. Church | 5,571.20 |

**Sewer in Canal Street From Mission Street Westerly.**

| | |
|---|---|
| A. L. Chambers | $5,853.00 |
| C. B. Eaton | 6,885.00 |
| W. J. Tobin | 5,717.50 |
| State Improvement Co. | 5,622.50 |
| R. C. Hackley Co. | 6,800 |
| Burnham Plumbing Co. | 4,975.50 |
| T. D. Harney | 6,180.25 |

**Improve East One-Half of Great Highway Bet. Fulton and Lincoln Way.**

| | |
|---|---|
| Felix McHugh | $40,857.90 |
| State Improvement Co. | 39,563.30 |
| C. B. Eaton | 38,550.95 |
| State Imurovement Co. | 39,563.30 |
| C. W. McGinn Co. | 42,337.94 |
| Raisch Improvement Co. | 36,072.50 |

**Improve Porter Street, From Crescent Avenue Southerly.**

| | |
|---|---|
| C. B. Eaton | $ 8,658.80 |
| Fay Improvement Co. | 10,577.20 |
| State Improvement Co. | 9,622.70 |

SAN FERNANDO, Los Angeles Co., Calif.—Until 7:30 P. M., June 1, bids will be received by City Clerk H. C. Caldwell for paving Hagar St., between Second and Fourth Sts., with 4-in. oil macadam; about 45,000 sq. ft. and constructing an ornamental lighting system with 13 cement posts. S. G. Chamberlin, city engineer.

OAKLAND, Cal.—The City Council has awarded a contract to Bates & Borland of Oakland, for the construction of an eight-inch sewer in portions of Tompkins avenue at the following prices: Pipe, $2.05 lin. ft.; concrete manholes, $150 each; lampholes, $30 each; Y branches, $1.00 each.

TULARE, Tulare Co., Cal.—A petition has been received by the City Council asking the improvement of Goshen avenue. The matter has been referred to the Superintendent of Streets for report.

LOS ANGELES, Cal.—Rogers Bros. Co., 350 Merrick St., submitted the only bid at about $78,000 for constructing 3.21 miles of oil macadam 20 ft. and 5 in. thick and .84 mile concrete paving on Center St., south of Downey, in Road Imp. Dist. No. 153. The bid was ordered rejected by the board of supervisors. The estimated cost to contractor was placed at $61,648. The work will probably not be advertised again for six months.

SAN FRANCISCO.—The Board of Public Works has rejected the bid of C. B. Eaton at $144,424.55 for the improvement of Collingwood street between 20th and 22d streets and 21st and 22d streets between Diamond and Castro. This was the only bid submitted for the work.

## FIRE EQUIPMENT.

BENICIA, Solano Co., Cal.—Bids will be received by J. C. McAravy, City Clerk, up to June 1st, 8 P. M., for furnishing and delivering one 750-gallon pump and hose wagon, triple combination and one 750 gallon pump and hose wagon, double combination, same to be delivered 120 days after award of contract.

Specifications may be had from the City Clerk.

# Official Proposals.

### BIDS WANTED FOR PUMPS, TANKS AND SCALES.

**INVITATION FOR PROPOSALS.**

SEALED PROPOSALS will be opened in the Office of the Commanding Officer, Benicia Arsenal, Benicia, Calif., **at 11:00 A. M., June 2nd, 1920,** for furnishing material and labor for the erection and completion of a Service Station and the furnishing and installation of pumps, tanks and automobile scales, at Benicia Arsenal, Benicia, Cal.

Drawings and specifications may be obtained from this office in the discretion of the Commanding Officer.

E. P. O'HERN,
Colonel, Ord. Dept., U. S. A.,
Commanding.

**NOTICE TO CONTRACTORS.**

**Drawing and Specification No. 4191, covering Laundry Equipment, Naval Base, Marine Barracks, San Diego, Calif.**

Attention is invited to the fact that proposals will be opened in the near future on the work mentioned above.

The drawing and specification may be obtained on application to the Bureau in Washington, D. C., to the Commandant, Twelfth Naval District, 417 Sheldon Building, San Francisco, Cal., or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The laundry equipment will consist of motor-driven washers, extractors, and tumblers, dry room, electrically operated irons and shapers, and other accessories pertaining to a modern and efficient laundry. The Government will furnish some of this equipment, which will be installed by the contractor. Connections are to be made to electric, steam, return, waste, and water services at various points.

The estimated cost is $17,000.

R. L. MARTIN
Lieutenant Commander (CEC), U. S. N.,
By direction of Public Works Officer.
UNITED STATES NAVY YARD, Mare Island, California.

**NOTICE TO CONTRACTORS.**

SEALED PROPOSALS will be received by undersigned **until 2 o'clock P. M., June 7, 1920,** for constructing the following sections of the State Highway System in Nevada.

State Highway from 0.42 miles south of Steamboat to Steamboat, Washoe County, 0.42 miles. Work consists of grading and installing culverts.

State Highway from Smiths Corners to Hudson Aurora Road, Lyon County, 2.27 miles. Work consists of grading and gravel surface and construction of culverts.

Plans may be examined and forms of proposals, contract and specifications secured at office of undersigned; may also be examined at the County Clerk's office in Reno and Yerington. Cash deposit of $15 with undersigned required for copy of plans which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department and accompanied by a certified check in an amount of 5% of the bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer,
Carson City, Nevada.

**NOTICE TO CONTRACTORS.**

**Drawing and Specification No. 4192, covering Bakery Equipment, Naval Base, Marine Barracks, San Diego, Calif.**

Attention is invited to the fact that proposals will be opened in the near future on the work mentioned above.

The drawing and specification may be obtained on application to the Bureau in Washington, D. C., to the Commandant, Twelfth Naval District, 417 Sheldon Building, San Francisco, Calif., or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The bakery equipment will consist of electric ovens, motor driven dough and cake mixers, dough moulder, proofer, divider, rounder, and other accessories necessary to equip a modern and efficient bakery. Connections are to be made to electric, steam, return, waste, and water services at various points.

The estimated cost is $17,000.

R. L. MARTIN,
Lieutenant Commander (CEC), U. S. N.
By direction of Public Works Officer.
UNITED STATES NAVY YARD, Mare Island, California.
R

**STATE OF CALIFORNIA.**

**DEPARTMENT OF ENGINEERING.**

**CALIFORNIA HIGHWAY COMMISSION**

**NOTICE TO CONTRACTORS.**

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on June 14,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State highway as follows:

Tehama County, between Los Molinos and Red Bluff (11-Teh-3-D), about 14.5 miles in length to be paved with Portland cement concrete .

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
C. C. CARLETON,
Acting Secretary.
Dated May 17, 1920.

**NOTICE TO CONTRACTORS.**

SEALED PROPOSALS will be received by the undersigned until **2 o'clock P. M. June 7, 1920,** for the furnishing and fabrication, including such shop drawings as are necessary, **for one 126 foot Through Pratt Truss Span** with all shop connections completely riveted and all members and parts ready for erection, approximately 102,000 lbs. of structural steel.

Plans may be examined and forms of proposal, contract and specifications secured at office of the undersigned; may also be examined at the county clerk's office in Eureka. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids **must** be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.
(May 18-20-22-25-27-29.)
Eng.

**NOTICE TO CONTRACTORS.**

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, San Francisco, Calif., May 10, 1920. Sealed proposals in triplicate for constructing approximately Forty-Two (42) buildings (including plumbing, heating and lighting) consisting of Quarters, Barracks, Hangars, Shops, etc., also Concrete Ramps, etc., at Crissy Field, Presidio of San Francisco, Calif., will be received here **until 2 P. M., June 14, 1920,** and then opened. Plans, specifications, etc., can be seen at this office about May 10, 1920. Further information on application. A deposit of $20.00 will be required to insure return of plans, etc.

IRA L. FREDENDALL,
Lieutenant Colonel, Q. M. Corps.

**BIDS WANTED FOR CONSTRUCTION OF STOREHOUSE.**

**NOTICE TO CONTRACTORS.**

SEALED PROPOSALS for constructing a storehouse at Decoto, Alameda Co., California, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Bldg., San Francisco, California, **until 2:00 P. M. o'clock on the 1st day of June, 1920,** at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The location is at the northwest corner of D street and Railroad Avenue, just south of Willett and Burr's repair shop on land leased by the Government.

The work consists of erecting the concrete footings and the timber framing, doors and windows for a storehouse 72x498 Corrugated metal sheeting will be furnished by the Government and bids will be asked for placing it in case it arrives before the framing is completed.

The work embraced in this contract shall be completed within 45 weather working days.

The contract form and the plans, specifications, and estimates of quantities may be examined by responsible contractors at the following addresses:

886 Mills Bldg., San Francisco, California.

J. T. Schuyler, care Willett and Burr, Decoto, Calif.

All proposals must be made on forms, and in accordance with instructions forming a part of the specifications above referred to.

C. H. SWEETSER,
District Engineer.
May 22, 1920.

**NOTICE TO CONTRACTORS**

Inviting sealed proposals for the erection of a new five-room school building and additions to present building in Sunnyvale Grammar School District, County of Santa Clara, State of California.

Notice is hereby given that the undersigned trustees of the Sunnyvale Grammar School District, County of Santa Clara, State of California, will receive sealed bids at the Sunnyvale School House, Sunnyvale, County of Santa Clara, State of California, for the erection and completion (with plumbing, heating and tinning under separate contract) of a school building in said district up to the **hour of eleven o'clock A. M. on Wednesday, the ninth day of June, 1920,** at which time and place said bids will be publicly opened.

All bids must be addressed to Arthur E. Bessey, Clerk of the Sunnyvale Grammar School District, Santa Clara County, California, and must be accompanied by a certified check on some reliable bank in the State of California, made payable to the order of the aforesaid clerk of said Board of said School Trustees, in amount equal to at least ten (10) per cent of the bid so submitted, and no proposal will be considered by said Board unless accompanied by such check.

The said check to be forfeited to said Sunnyvale Grammar School District, as ascertained and liquidated damages in case the successful bidder fails or refuses to enter into a contract to perform the work, and give bonds hereinafter required, within ten days after the date of the award.

Said building is to be erected on the school property in the City of Sunnyvale, County of Santa Clara, State of California.

The plans and specifications for said building may be obtained from E. L. Norberg, architect, Bankers Investment Building, 742 Market Street, San Francisco, California, or from Miss Leslie G. Smith, Principal of the Sunnyvale School, at Sunnyvale.

Said building must be erected according to said plans and specifications and completed in ninety (90) working days from the date of the execution of the contract.

The bidder to whom the contract is awarded will be required at the time of the execution of the contract, and as a condition to the acceptance of his bid, to execute and file a good and sufficient bond, executed by a surety company, or by two responsible sureties to be approved by the said Board of Trustees of said district, in an amount of not less than fifty (50) per cent of the total amount payable under the terms of the contract, to secure the faithful performance of the contract and the full payment of claims for any material, or supplies of labor, of any kind whatsoever used in the construction of the said building to be constructed under the said contract.

The said Board of Trustees expressly reserves the right to reject any and all bids.

A deposit of $10 will be required from contractors for the safe return of plans and specifications.

Done by order of the Board of Trustees of the Sunnyvale Grammar School District, County of Santa Clara, State of California.

ELEANOR B. LARMON, Trustee.
REXFORD SHORES, Trustee.
ARTHUR E. BESSEY,
Clerk of the Board.

**CONTRACT AWARDED FOR MEMORIAL CITY HALL AND LIBRARY.**

VENTURA, Ventura Co.—Arthur Pefley, Ventura, has the contract on a percentage basis for the erection of a memorial municipal building to be erected at Ventura. The site and building are being donated to the city by A. P. Foster. The building will contain an auditorium, quarters for the city and county library and offices for the various city officials of Ventura. The cost will be about $70,000. The plans were prepared and the building will be erected under the supervision of Alfred E. Priest, 619 Fay Bldg. It will be of brick construction, plastered exterior, composition roofing, pine and hardwood interior trim and floors, heating, plumbing, wiring.

SANTA ANA, Orange Co., Cal.—John Simpson Co., Grant Bldg., Los Angeles, was awarded a contract at $73,650 on revised bids for the erection of a reinforced concrete auditorium at the Santa Ana High School. The oral expression rooms and choral hall will be omitted. J. Simon Flour of Santa Ana, was awarded the contract at $7841 for construction of additional class rooms to the administration building. The plumbing and heating for both buildings were awarded to S. Hill & Son of Santa Ana, at $7,995; electric wiring on both buildings to F. E. Newbery Co., Los Angeles, at $5,583, and painting on both buildings to Wormell & Drawbaugh of Pasadena, at $4,300. Norman F. Marsh, 211 Broadway Central Bldg., is the architect

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

## BUILDING CONTRACTS

### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 1313 | Torchia | Owner | 1000 |
| 1314 | Quick Sisters | Coburn | 2100 |
| 1315 | Sharon | Taylor | 500 |
| 1316 | Tyler | Owner | 25000 |
| 1317 | Feerick | Owner | 4000 |
| 1318 | Richardson | Kelly | 998 |
| 1319 | Musetti | Owner | 950 |
| 1320 | Bender | Owner | 6000 |
| 1321 | Allred | Owner | 4000 |
| 1322 | Lasky | Central | 144000 |
| 1323 | Allen | Little | 8000 |
| 1324 | Ostlund | Ostlund | 5000 |
| 1325 | Fitzhugh | Lindgren | 15000 |
| 1326 | Damante | Owner | 800 |
| 1327 | Crocker | Samuelson | 2900 |
| 1328 | Carlson | Owner | 3200 |
| 1329 | Finnila | Owner | 600 |
| 1330 | Hansen | Fairbanks | 500 |
| 1331 | Selig | Coggins | 500 |
| 1332 | Gunst | Donovan | 1500 |
| 1333 | Allen | Little | 14662 |
| 1334 | Johnson | Merritt | 13725 |
| 1335 | Gordon | Matthies | 601 |
| 1336 | Davis | Matthies | 634 |
| 1337 | Bastian | Matthies | 634 |
| 1338 | Neary | Matthies | 776 |
| 1339 | So. Pac. | Eaton | |
| 1340 | Urban | Duncan | 12000 |
| 1341 | Kashow | Coburn | 500 |
| 1342 | Dissmeyer | Swenson | 950 |
| 1343 | Janssen | Owner | 35400 |
| 1344 | Anglo Cal. Tr. | Robinson | 4195 |
| 1345 | Kleiber | Owner | 30000 |
| 1346 | Newhouse | Holman | 8000 |
| 1347 | Choynski | Scott | 1500 |
| 1348 | Schumahher | Petterson | 3500 |
| 1349 | Gengnagel | Beach | 500 |
| 1350 | Parker | Stradcutter | 975 |
| 1351 | Raisch | Standardized | 10000 |
| 1352 | Same | Same | 20000 |
| 1353 | Quick | Coburn | 2091 |
| 1354 | Western Furnace | Owner | 875 |
| 1355 | Dale | McMullin | 1400 |
| 1356 | Bernstein | Cohn | 800 |
| 1357 | G G Cloak | Levi | 2000 |
| 1358 | Weisblect | Wright | 7000 |
| 1359 | Adair | Hamill | 4000 |
| 1361 | Goldberg | Keegan | 4500 |
| 1362 | Bekins | Christiansen | 980 |
| 1363 | Siri | Devencenzi | 15000 |
| 1364 | Rolkin | Mannix | 14000 |
| 1365 | Same | Fuller | 2000 |
| 1366 | Same | Central Elec | 5561 |
| 1367 | Same | Morrison | 2175 |
| 1368 | Bauer | Bauer | 12000 |
| 1369 | Sheehy | McDonough | 3547 |
| 1370 | Meyer | Meyer | 15000 |
| 1371 | Meyer | Meyer | 8000 |
| 1372 | Cline | Wise | 500 |
| 1373 | Meyer | Knittle | 7400 |
| 1374 | Schroeder | Wilhelm | 3000 |
| 1375 | O'Brien | Kiernan | 15000 |
| 1376 | Raffo | Sorbi | 2000 |
| 1377 | Tinbsen | Swenson | 15000 |
| 1378 | Maguire | Horstmeyer | 3600 |
| 1379 | Moore | Leiter | 6129 |

#### PERMITS

ALTERATIONS
(1313) NO. 2 COLUMBUS AVE. Cut out brick wall for corner entrance; new show windows, etc.
Owner—G. Torchia, 580 Washington St., San Francisco.
Architect—None.
Day's work. COST $1000

REPAIRS
(1314) NO. 231 FIRST. Repair fire damage to floors and roof of workshop.
Owner—Quick Sisters.
Architect—C. Colly, 180 Jessie St., San Francisco.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco.
COST, $2100

ALTERATIONS
(1315) NO. 177 JESSIE Remodel store front; repair floor, etc.
Owner—Sharon Estate Co., Sharon Bldg., San Francisco.
Architect—None.
Contractor—Taylor & Goericke, 220 Sharon Bldg., San Francisco.
COST, $500

FRAME APARTMENTS
(1316) E PALM AVE 455 N Geary. Two-story and basement frame (4) apartments.
Owner—Percy Tyler, 1430 Cabrillo St., Sal Francisco.
Architect—Edw. E. Young, 251 Kearny St., San Francisco.
Day's work. COST, $25,000

FRAME RESIDENCE
(1317) W TWENTIETH AVE 175 S Balboa. Two-story and basement frame residence.
Owner—B. Feerick, 253 Downey St., San Francisco.
Architect—None.
Day's work. COST, $4000

ALTERATIONS
(1318) NO. 1030 VALLEJO. Minor additions and alterations to dwelling.
Owner—Mrs. Thos. Richardson, 1032 Vallejo St., San Francisco.
Architect—Reginald C. Shand, 141 Hillside Ave., Piedmont
Contractor—P. H. Kelly, 1138 Stanyan St., San Francisco.
COST, $998

ALTERATIONS
(1319) NW GREENWICH AND STOCKton Sts. Replace wood steps with terrazzo and concrete floor in basement for dwelling.
Owner—O. Musetti, 110 Sutter St., San Francisco.
Architect—Fabre and Thayer, 110 Sutter St., San Francisco.
Day's work. COST, $950

FLATS
(1320) N SACRAMENTO BET. Steiner and Pierce. Two-story and basement frame (2) flats.
Owner—Edward and A. M. Bender, 1261 Broderick St., San Francisco.
Architect—Plans by owner.
Day's work. COST, $6,000

RESIDENCE
(1321) E THIRTY-SIXTH AVE 95 N Cabrillo. One-story and basement frame residence.
Owner—C. S. Allred, 150 Onondago Av., San Francisco.
Architect—None.
Day's work. COST, $4,000

SALES ROOMS
SE HOWARD AND ELEVENTH STS. One-story and basement brick sales rooms.
Owner—John and Luke Fay, Care Architect.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Wm. Martin, 110 Jessie St., San Francisco.
COST, $50,000
NOTE:—Recorded contract reported May 15, 1920, No. 1301.

#### RECORDED

STEEL WORK
(1322) SE JONES AND GOLDEN GATE E 162-6 S 181-7⅝ SW 159-9 W 32-10½ N 275. Steel, cast iron and wrought iron for Class "A" theatre building.
Owner—Famous Players Lasky Corporation, Pacific Bldg., San Francisco
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Central Iron Works, 2050 Bryant St., San Francisco.
Filed May 17, '20. Dated May 12, '20.
Completion of shop details..$25,000
Present steel frame taken down and removed ..... 25,000
Cast iron bases in place..... 28,000
300 tons steel erected..... 10,000
Completed and accepted..... 20,000
Usual 35 days..... 36,000
TOTAL COST, $144,000
Bond, $144,000. Surety, Hartford Accident & Indemnity Co. Limit, 80 days. Forfeit, $200 per day. Plans and specifications filed.

#### PERMITS

FRAME FLATS
(1323) NW CALIFORNIA & TWENTYsixth Ave. Two-story and basement frame (4) flats.
Owner—W. Allen, Monadnock Bldg., San Francisco.
Architect—C. O. Chausen, Hearst Bldg., San Francisco.
Contractor—John Little, 1035 Lincoln Way, San Francisco.
COST, $8000

RESIDENCE
(1324) E FUNSTON AVE 225 S Cabrillo. One-story and basement frame residence.
Owner—Mrs. O. H. Ostlund, 1901 Bryant St., San Francisco.
Architect—Ostlund & Johnson, 1901 Bryant St., San Francisco.
Contractor—Ostlund & Johnson, 1901 Bryant St., San Francisco.
COST, $5000

STORE
(1325) N GEARY bet. Mason and Taylor. One-story and basement brick store.
Owner—Mrs. Wm. M. Fitzhugh .2350 Broadway, San Francisco.
Architect—Bakewell & Brown, 251 Kearny St., San Francisco.
Contractor—Lindgren Co., 970 Monadnock Bldg., San Francisco.
COST, $15,000

FRAME SHOP
(1326) NO. 1336 KEARNY. One-story frame shop.
Owner—F. Damante, Premises.
Architect—None.
Day's work. COST, $800

RESIDENCE
(1327) N PRAGUE 100 W Rolph. One story and basement frame residence.
Owner—Crocker Estate Co., 525 Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco.
COST, $2900

**SAN FRANCISCO CONTRACTS.. .. ..**

ALTERATIONS
(1328) S SUNNYSIDE AVE., 175 W Congo. Alterations for dwelling—remodel same into two flats.
Owner—O. E. Carlson, 234 Joost Ave., San Francisco.
Architect—None.
Day's work. COST, $3,200

ALTERATIONS
(1329) NO. 4032-4034 SEVENTEENTH St. Alterations for garage quarters, boot-black stand, etc.
Owner—M. A. Finnila, 9 Douglas St., San Francisco.
Architect—Leland A. Bryant, 75 Post St., San Francisco.
Day's work. COST, $600

ALTERATIONS
(1330) NO. 2330 TWENTY-THIRD ST. Remove wood floor and replace with concrete for market.
Owner—Elize Hansen, 2328 23d St., San Francisco.
Architect—None.
Contractor—Wm. Fairbanks, 2328 23d St., San Francisco.
COST, $500

ALTERATIONS
(1331) NW VAN NESS AVENUE and Fulton St. General alterations for salesroom.
Owner—Selig Estate, (St. James Hotel) premises.
Architect—None.
Contractor—L. M. Coggins, 115 Turk St., San Francisco.
COST, $500

REPAIRS AND ADDITIONS
(1332) NO. 2786 VALLEJO ST. Repairs and additions for porch on dwelling.
Owner—Morgan Gunst, 2786 Vallejo St., San Francisco.

Architect—Bruce Porter, 944 Chestnut St., San Francisco.
Contractor—T. J. Donovan, 1477 6th Ave., San Francisco.
COST, $1,500

**RECORDED.**

BUILDING
(1333) NW CALIFORNIA AND 26th Ave. W 25xN 100. All work for two-story frame building (flats).
Owner—Wm. T. and Bessie F. Allen, 139 22nd Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—John Little, 1035 Lincoln Way, San Francisco.
Filed May 18, '20. Dated May 17, '20.
Frame up .....$3,665.50
Brown coated ..... 3,665.50
Completsd and accepted..... 3,665.50
Usual 35 days..... 3,665.50
TOTAL COST, $14,662
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

STORE AND OFFICE BLDG.
(1334) NW MISSION AND TWENTY-ninth, N 38-6 W 62-1 S to NW 29th NE to beg. All work for a store and office building.
Owner—G. H. Johnson, 184-A Bartlett St., San Francisco.
Architect—None.
Contractor—George M. Merritt, 3015 Geary St., San Francisco.
Filed May 18, '20. Dated May 17, '20.
Foundation completed and frame of first floor up.....$2,745
Walls are ready for roof and plumbing roughed in..... 2,745
Roof on and floor laid..... 2,745
Completed and accepted..... 2,745
Usual 35 days..... 2,745
TOTAL COST, $13,725
Bond, none. Forfeit, $20. Limit, 70 days. Plans and specifications, none.
NOTE:—Permit reported May 15, 1920. No. 1295.

ALTERATIONS
1335) SE SAN JOSE AVE., 81.61 NE Foote No. 2561 San Jose Ave. All work for moving foundation, enclosure, steps, etc. for one-story frame residence.
Owner—Edith A. and Nellie Gordon, premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 58 Parnassus Ave.; San Francisco.
Filed May 18, '20. Dated April 28, '20.
Building moved, foundations in and enclosed.....$300
Completed and accepted..... 301
TOTAL COST, $601
Bond, $301. Sureties, J. M. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and Specifications filed.

FRAME RESIDENCE
(1336) SE SAN JOSE AVE 225.80 NE Lawrence Ave; No. 2817 San Jose Ave. All work for moving underpinning steps, etc., for one-story frame residence.
Owner—Valentine and Mary Davis Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 58 Parnassus Ave., San Francisco.
Filed May 18, '20. Dated May 18, '20.
Building moved and enclosed...$317
Completed and accepted..... 317
TOTAL COST, $634
Bond, $317. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported Apr. 13, 1920 No. 958.

MOVING RESIDENCE
(1337) SE SAN JOSE AVE 77.72 SW Parragut; No. 2807 San Jose Ave. All work for moving foundations, underpinning steps, etc., for one-story frame residence.
Owner—Frederick F. and Magdalena Bastian, 2807 San Jose Ave., S. F.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 58 Parnassus Ave., San Francisco.
Filed May 18, '20. Dated May 18, '20.
Building moved and foundations in and enclosed.....$315
Completed and accepted..... 316
TOTAL COST, $631
Bond, $316. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.

NOTE:—Permit applied for April 13, 1920, No. 959.

MOVING RESIDENCE, ETC.
(1338) SE SAN JOSE AVE 260.31 SW Naglee Ave No. 2675 San Jose Ave. All work for moving foundations, underpinning steps, etc., for one-story frame residence.
Owner—Ellen Neary, 2679 San Jose Ave., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 53 Parnassus Ave., San Francisco.
Filed May 18, '20. Dated May 18, '20.
Building moved, foundations in and enclosed .....$388
Completed and accepted..... 388
TOTAL COST, $776
Bond, $388. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.

GRADING, ETC.
(1339) TOWNSEND bet. Fourth and Eighth. All work for grading, concrete curb, sewer pipe, culvert pipes, storm inlet, manholes and asphaltic concrete pavement.
Owner—Southern Pacific Co., Southern Pacific Bldg., San Francisco.
Architect—None.
Contractor—Eaton & Smith, 407 11th St., San Francisco.
Filed May 18, '20. Dated Apr. 12, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, Fill 50c per cubic yard; concrete curb, 70c per lin. ft.; sewer pipe, $2.50 per ft. for 12-in. pipe and $3.00 for 15-in. pipe; culvert pipes, 75c per ft.; storm inlets, $60 each; manholes, $50 each; asphaltic concrete pavement, $24.3 per sq. ft.
Bond, $75,000. Sureties, Geo. E. Hart and James Smith. Limit, 90 days. Forfeit, none. Plans and specifications filed

DWELLING
(1340) E BORICS, 180 S URBANO. Two-story and basement frame dwelling.
Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.
Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.
Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.
COST, $12,000

FLATS
(1341) NO. 2500 CALIFORNIA ST. Repair fire damage to two flats.
Owner—Mrs. Kashow, 2500 California St., San Francisco.
Architect—None.
Contractor—Chas. Coburn, 180 Jessie St., San Francisco.
COST, $500

ALTERATIONS
(1342) NO. 2798 DIAMOND ST. Alterations for store-marble work, etc.
Owner—Mrs. H. Dismeyer, 203 Surrey St., San Francisco.
Architect—None.
Contractor—Swenson and Franzen, 145 Natoma St., San Francisco.
COST, $950

FRAME FLATS
(1343) E FUNSTON AVE 200, 225, 350 and 375 N Geary. Four two-story and basement frame (2) flats each.
Owner—E. A. Janssen, 802 Hearst Bldg., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Day's work. COST, $8850 each

ALTERATIONS
(1344) SE FILLMORE AND GEARY. Alter store front.
Owner—Anglo California Trust Co., Market and Sansome Sts., S. F.
Architect—None.
Contractor—Robinson & Gillespie, 1051 Sutter St., San Francisco
COST, $4195

SHOP
(1345) SE FOLSOM AND JUNIPER. One-story steel, concrete and brick shop.
Owner—Kleiber & Co., Inc., 1480 Folsom St., San Francisco
Engineer—R. Jum Suden, 1480 Folsom St., San Francisco.
Day's work. COST, $39,999

STORE
(1346) S GOLDEN GATE AVE 137-6 E Hyde. One-story and basement reinforced concrete store.
Owner—A. A. Newhause, Kohl Bldg., San Francisco.
Designer—E. Holman, 689 Mission St., San Francisco.
Contractor—E. Holman, 689 Mission St., San Francisco.
COST, $8000

REPAIRS
(1347) NO. 1233 GOLDEN GATE AVE. Repair fire damage to restaurant.
Owner—Col. H. Choynski, 110 Sutter St., San Francisco.
Architect—None.
Contractor—F. H. Scott, 1511 Ellis St., San Francisco.
COST, $1500

STORE
(1348) SE MISSION 302-6 NE Virginia One-story frame store.
Owner—F. M. Schumacher, 1105 Nevada Bank Bldg., San Francisco.
Architect—Owner.
Contractor—G. Pettersen, Lick Bldg., San Francisco.
COST, $3500

CEMENT WORK, ETC.
(1349) NO. 2198 MISSION Cement work, etc., for store.
Owner—Charlotte Gengnagel, Woodland, Cal.
Architect—None.
Contractor—Robert Beach, 4173 23rd St., San Francisco.
COST, $500

ALTERATIONS
(1350) NO. 4309 TWENTY-FOURTH. General alterations and repairs to residence.
Owner—Wm. Parker, 780 2d Ave., S. F.
Architect—None.
Contractor—Peter Stradcutter, 2200 Grove St., San Francisco.
COST, $975

DWELLINGS
(1351) E SIXTH AVE 75 and 100 S Kirkham. Two two-story and basement frame dwellings.
Owner—A. J. Raisch, 46 Kearny St., San Francisco.
Architect—None.
Contractor—Standardized Constr. Co., 52 11th St., San Francisco.
COST, $5000 each

DWELLINGS
(1352) W SIXTH AVE 100, 125, 150 and 175 S Kirkham. Four two-story frame dwellings.
Owner—A. J. Raisch, 45 Kearny St., San Francisco.
Architect—None.
Contractor—Standardized Constr. Co., 52 11th St., San Francisco.
COST, $5000 each

**RECORDED**

REPAIRS
(1353) NE FIRST AND TEHAMA Place Nos. 231 and 235 First. All work for repairs to building damaged by fire (three-story and basement brick building).
Owner—Mary A. P. and Susanna P. Quick, 1218 Haight St., S. F.
Architect—None.
Contractor—Charles Coburn, 180 Jessie St., San Francisco.
Filed May 18, '20. Dated May 19, '20.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $2091
Bond, $523. Sureties, Meinberger and Val Meinberger. Limit, —. Forfeit, $40. Plans and specifications, none.

**PERMITS.**

MACHINE SHOP
(1354) W FIRST 34-10 N Brannan. One-story frame machine shop.
Owner—Western Furnace & Cornice Works, 202 Brannan St., San Francisco.
Architect—None.
Day's work. Cost, $875

ALTERATIONS
(1355) NO. 2414 GREAT HIGHWAY. New porch, stairs, partitions, etc., for dwelling.
Owner—Mrs. F. Dale, Dale-Tallac Hotel San Francisco.
Architect—None.
Contractor—C. E. McMullin, 1711 Lake St., San Francisco.
COST, $1400

ALTERATIONS
(1356) W MASON 100 S Ellis. Alter store fronts.
Owner—M. Bernstein, 115 Powell St., San Francisco.
Architect—None.
Contractor—Louis J. Cohn, 625 Market St., San Francisco.
COST, $800

ALTERATIONS
(1357) NO. 1060 MARKET. Alter store front.
Owner—Golden Gate Cloak & Suit House, Premises.
Architect—None.
Contractor—S. Levi, 243 7th St., San Francisco.
COST, $2000

ALTERATIONS
(1358) NO. 1350 SUTTER. Alter present 18 apartments into 36 apts.
Owner—M. Weisbleet, Premises.
Architect—None.
Contractor—C. Wright, 110 Jessie St., San Francisco.
COST, $7000

FRAME DWELLING
(1359) W TWENTY-SIXTH AVE 282 S California. One-story and basement frame dwelling.
Owner—Ed. Adair, Care Roberts Mfg. Co., 663 Mission St., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 715 42nd Ave., San Francisco.
COST, $4000

**RECORDED.**

1360 Sagehorn Matthies 915

ALTERATIONS
(1360) SE SAN JOSE AVE. 172.12 SW Whipple, No. 2735 San Jose Ave. Moving, foundations, underpinning, steps, etc., for a one-story frame residence.
Owner—Henry V. Sagehorn, Jas. A. and Katie E. Hall, Premises.
Architect—Lewis W. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 58 Parnassus Ave., San Francisco.
Filed May 20, '20. Dated Apr. 21, '20.
Building moved, foundations in and enclosed .....$457
Completed and accepted ..... 458
TOTAL COST, $915
Bond, $458. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 13, 1920. No. 956.

DWELLING
(1361) W TWENTIETH AVE. 240 and 270 S Kirkham. Two-story and basement frame dwelling.
Owner—V. C. Goldberg, 240 Sutter St., San Francisco.
Architect—H. G. Stoner, 207 Mutual Bank Bldg., San Francisco.
Contractor—Jos. Keegan, 20th and Kirkham St., San Francisco.
COST, $4,500 each

ALTERATIONS
(1362) W OTIS 200 S Duboce Ave. Alterations for restroom.
Owner—Bekins Storage Co., 13th and Mission Sts., San Francisco.
Architect—B. R. Christiansen, 230 Lick Bldg., San Francisco.
Day's work. COST, $980

GARAGE AND SHOP
(1362) N BUSH 106-3 W. Webster. One-story concrete garage and shop.
Owner—A. Siri, 2080 Sutter St., San Francisco.
Architect—Thomas Bros., 1071 Union St., San Francisco.
Contractor—Jos. Devencenzi, 281 Russ Bldg., San Francisco.
COST, $15,000

**RECORDED**

LATHING AND PLASTERING
(1364) N McALLISTER 137-6 W Leavenworth W 27-6 N 137-6 W 32-6 E 60 S 137-6. All work for lathing and plastering for six-story annex and one-story addition to Argyle Apartments.
Owner—Edward Rolkin.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.
Contractor—Thos. J. Mannix, 1521 Webster St., San Francisco.
Filed May 21, '20. Dated May 11, '20.
All laths delivered.....Cost of laths
Scratch coat on, $3500 less 25% of cost of laths.....
Brown coated, $3500, less 25% of cost of laths.....
Completed and accepted $3500, less 25% of cost of laths.....
Usual 35 days, $3500 less 25% of cost of laths.....
TOTAL COST, $14,000
Bond, $7000. Sureties, G. Petterson and Jas. E. Lennon. Limit, 40 days. Forfeit, none. Plans and specifications filed.

(1365) GLASS AND GLAZING ON above.
Contractor—W. F. Fuller & Co., SW Beale and Mission Sts., S. F.
Filed May 21, '20. Dated May 1, '20.
On 3rd of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $2000
Bond, $1000. Sureties, H. H. Somers and E. E. Simmons. Limit, 10 days after notification. Forfeit, none. Plans and specifications filed.

(1366) ELECTRIC EQUIPMENT ON above.
Contractor—Central Electric Co., 185 Stevenson St., San Francisco.
Filed May 21, '20. Dated May 11, '20.
Payments same as above.....
TOTAL COST, $5561
Bond, $2780. Surety, New Amsterdam Casualty Co. Limit, 3 days after painting done. Forfeit, none. Plans and specifications filed.

(1367) SHEET METAL WORK ON above.
Contractor—Morrison & Co., 110 Jessie St., San Francisco.
Filed May 21, '20. Dated May 11, '20.
Payments same as above.....
TOTAL COST, $2175
Bond, $1090. Surety, Fidelity & Deposit Co. of Maryland. Limit, 15 days after notified. Forfeit, none. Plans and specifications filed.

DWELLINGS AND GARAGES
(1368) LOTS 11 AND 12, BLK. 3190 Westwood Park. Two one-story frame dwellings and garages.
Owner Lucy A. Bauer and Arthur Quinn, 2506 23rd Ave., San Francisco.
Architect—Ida F. McCain, 318 Kearny St., San Francisco.
Contractor—Louis A. Bauer, 2506 23rd Ave., San Francisco.
Filed May 21, '20. Dated April 23, '20.
Frames up and enclosed.....$3000
Brown coated ..... 3000
Completed and accepted..... 3000
Usu al 35 days..... 3000
TOTAL COST, $12,000
Bond, $6,000. Sureties, Louise Bauer. Forfeit, none. Limit 90 days after April 23rd. Plans and specifications filed.

ALTERATIONS
(1369) NE WINFIELD AVE. AND Cortland Ave. All work for alterations and additions to building.
Owner—Minnie Sheehy, 141 Cortland Ave., San Francisco.
Architect—None.
Contractor—McDonough & Costello, 90 St. Mary's Ave., San Francisco.
Filed May 21, '20. Dated Apr. 23, '20.
Plaster on ..... 1/3
Completed ..... 1/3
Usual 35 days..... 1/3
TOTAL COST, $3547
Bond, none. Limit, July 27, 1920. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 24, 1920. No. 1076.

**PERMITS.**

FRAME FLATS
(1370) SE CLEMENT AND TWENTY-first Ave. Two-story and basement frame (4) flats.
Owner—R. E. Meyer, 2628 Anza St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 2628 Anza St., San Francisco.
COST, $15,000

ALTERATIONS
(1371) NO. 172 COLUMBUS AVE. Remove partitions, install steam heating plant, install plumbing fixtures, etc.
Owner—Henry G. Meyer, Stanford Ct. Apartments, San Francisco.
Architect—None.
Day's work. COST, $8,000

ALTERATIONS
(1372) NO. 3806-08 CALIFORNIA ST. Alter for basement garage, cement work, etc.
Owner—Mrs. J. Cline, 110 Maple St., San Francisco.
Architect—None.
Contractor—L. N. Wise, 1274 Waller St., San Francisco.
COST, $500

HEATING PLANT
(1373) NO. 172 COLUMBUS AVE. Install steam heating plant for hotel.
Owner—Henry G. Meyer, Mills Bldg., San Francisco.
Architect—None.
Contractor—Knittle Cashel Co., 1820 Ellis St., San Francisco.
COST, $7400

ALTERATIONS
(1374) NO. 111 FRONT ST. Alter store into cafe.
Owner—H. Schroeder, 117 Front St., San Francisco.
Architect—None.
Contractor—A. H. Wilhelm.
COST, $3000

STORE
(1375) E GRANT AVE 97-6 S Pine. One-story and basement concrete store.
Owner—R. J. O'Brien, 320 Sharon Bldg., San Francisco.
Architect—Arthur S. Rugbee, 320 Sharon Bldg., San Francisco.
Contractor—Kiernan & O'Brien, 320 Sharon Bldg., San Francisco.
COST, $15,000

FRAME DWELLING
(1376) W HAHN 418 N Sunnydale. One-story and basement frame dwlg.
Owner—Bert Raffo, Premises.
Architect—None.
Contractor—A. Sorbi, 353 Edinburgh St., San Francisco.
COST, $2000

ALTERATIONS
(1377) NOS. 26-30 MONTGOMERY ST. Cement plaster front, re-arrange partitions, etc., for stores and offices.
Owner—Umbsen, Kerner & Eisert, 20 Montgomery St., San Francisco.
Architect—August G. Headman, 747 New Call Bldg., San Francisco.
Contractor—Swenson & Franzen, 145 Natoma St., San Francisco.
COST, $15,000

ALTERATIONS
(1378) W THIRD 50 N Howard. Cut in lightwell, re-arrange rooms in hotel.
Owner—Maguire Estate.
Architect—None.
Contractor—Wm. Horstmeyer Co., 31 Ord St., San Francisco.
COST, $3600

**RECORDED**

ALTERATIONS
(1379) NOS. 225-227 PINE. Remove all old work and erect new work for alterations and additions to basement and first story store.
Owner—J. M. Moore, Inc., 233 Pine St., San Francisco.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.
Contractor—E. T. Leiter & Son, 412 Call Bldg., San Francisco.
Filed May 22, '20. Dated May 12, '20.
Every 15 days contractor to receive cost of labor and material plus 10%
TOTAL COST not to exceed $6429. Contractor to receive 10%.
Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported May 17, 1920. No. 1307.

**LEASES.**

**San Francisco County.**

May 18, 1920—NO. 182 FIFTEENTH AV Frank Barsotti to M H Levy. 2 years. $1440.
May 18, 1920—W TWENTY-FIFTH Ave: No. 321 25th Ave. J W Wright & Sons Investment Co to Charles Stern. 2 years. $780.
May 17, 1920—NO. 424 MARKET ST. General Cigar Co., Inc to Kirby Drummond. 4 years 11 months. $8,125.
May 17, 1920—NW BUSH & LEAVENworth 87-6 on Bush and a frontage of 66 on Leavenworth, extending back from Bush a depth of 66. Ethel Curtaz to Alma and husb. Richard Flynn, assigned May 15, 1910 to Rose Warford. Value received. 120 mo. $144,000.
May 19, 1920—NO. 1543 HAIGHT Bet. Ashbury and Clayton. Henry Bohls to A. J. Romey. 10 years. $24,000.

May 21, 1920—W HOWARD Bet. 21st and 22nd Sts.; No. 2520 Howard St. H. M. and Mrs. M. E. Stevenson to Mrs. G. Rae Green. 3 years. $75 per month.

May 21, 1920—NO. 1270 PINE. Margaret H. Deininger et al. to Jos. Lafabreque. 5 years. $400 per month.

### NOTICE OF NON-RESPONSIBILITY.

#### San Francisco County.

May 22, 1920—W POWELL 85 S Geary S 52-6xW 92-6. Manlerson Company as to improvements on leased property.....

May 22, 1920—SE MISSION AND 20th S 20xE70. Royal Investment Co. as to improvements on leased property.....

May 12, 1920—E ½ OF S ½ LOT 5 J. K. 5th and 6th Sts., Sacramento. Cornelia Joseph Estate Co. as to improvements on leased property.

May 17, 1920—E GREAT HIGHWAY 95-6 N Balboa N 128-3 m or I E 240 S 130 W 157 S 19 W 22 S 7 W 12 N 21-7 W 68-5. The Hotaling Estate Co as to improvements on leased property .....

May 18, 1920—NE McALLISTER AND Jones N 275 E 162-6 S 181-7⅝ SW 159-9 W 32-10½. Union Trust Co. Tr Estate D T Murphy, dec'd et al as to improvements on leased property .....

May 19, 1920—N CLEMENT, 30 W 8th Ave., W 25xN 78, N 8th Ave. 78 N Clement N 30xW 53. Mary F. Reigle as to improvements on leased property.

May 21, 1920—NO. 2426 BUCHANAN St. Frank Jacobs & Bros. as to improvements on leased property.

May 21, 1920—NE CENTRAL AVE. & Hayes E 75xN 100. Carl Hasshagen as to improvements on leased property.

### MODIFICATION OF BUILDING CONTRACT.

#### San Francisco County.

May 18, 1920—S LOMBARD 200 W Van Ness Ave W 25xS 137-6. (Correcting description) Pio Vasconi with J. Martinelli.

## COMPLETION NOTICES

### San Francisco County

May 8, 1920—NW TENTH AVE AND Anza N 32xS 100. Charles P Boyson and Ernest B Erickson to whom it may concern.....May 8, 1920

May 14, 1920—SW TWELFTH, 56-69 100 NW Howard St. Michelin Tire Co. to P. R. Ward.....May 13, 1920

May 14, 1920—NW BUCHANAN AND Fulton W 37-6 N 60 W 25 N 27-6 E 62-6 S 87-6. M Terkeltaub to T A Cavanaugh.....May 13, 1920

May 17, 1920—LOTS 9 AND 11 BLK 3166, Westwood Park. Hans Nelson to Nelson Bros.....May 14, 1920

May 17, 1920—W EIGHTEENTH AVE 175 N Ulloa W 120xN 25. L W Allen to whom it may concern.May 17, 1920

May 18, 1920—SE LYON & VALLEJO. Jos H Tynan to Taylor & Jackson. .....May 13, 1920

May 18, 1920—LOTS 4, 5 and 8 E 30 feet Lot 9, P. V. Jewell Steel & Malleable Co to Botts & Browne... .....May 1, 1920

May 18, 1920—SE NINETEENTH & Bryant S 151-10xE 70 Chas H Lovell and Union Trust Co. Trs Estate Charles Lathrop dec'd to H S Tittle, W P Fuller May 13, 1920, and MacGruer & Simpson..... .....May 12, 1920

May 19, 1920—COMG. 306-2 S ISLAIS and 690 E 3rd S 100xE 50. Hind Rolph & Co. to Jos. Pasqualetti as American Concrete Co...May 6, 1920

May 19, 1920—N EDDY, 112-6 E Polk, E 25xN 120. Edward J. Lewis to Thos. F. Mulcahy....May 18, 1920

May 21, 1920—NW VAN NESS and Clay W 109-9xN 63-10¼. Louis R. Lurie to Barrett & Hilp.May 21, 1920

May 21, 1920—SW CALIFORNIA and Front. M. S. Cowen & Co. to Braas & Kuhn. May 21, 1920

May 21, 1920—E FILLMORE 120 S Page E 140 S 10 E 25 S 50 W 165 N 60. Aphra West to W. C. Duncan & Co. .....May 12, 1920

### LIENS FILED.

#### San Francisco County

May 11, 1920—INTR. MONTEREY & Faxon Ave. Golson Young and Ernest Fish vs Ida McCain.....$65

May 11, 1920—E LARKIN 100 N Post. James H Hardy, Inc vs J S Ourish, J C Hladik and Anna Hladik..$112.18

May 13, 1920—N SILLIMAN 22-6 W Brussel W 22-6xN 100 Ptn Blk 16, Univ Md Survey. Henry Ernest & Sons vs Marguerite F M Coffey... .....$222.50

May 17, 1920—W NINTH AVE 225 S Geary S 25xW 120 and W Ninth Ave 200 N Geary N 25xW 120. Henry Karp vs Henry Bloh...$243.50

May 21, 1920—LOT 33, BLK. 19, Fairmount Tract. The Greater City Lumber Co. vs. Fidelity Building & Loan Association.....$23.45

May 21, 1920—S. PINE 60 W Stockton S 100xW 50. Harry Mills $52.25; George Morley $46.75 vs. J. C. and Anna Hladik .....

## BUILDING CONTRACTS

### Alameda County

| | | | |
|---|---|---|---|
| 1126 | Ridgely | Peake | 1000 |
| 1127 | Ralston | Smith | 780 |
| 1128 | Heldt | Heldt | 1500 |
| 1129 | Boyd | Hopper | 10760 |
| 1130 | Haste | Hopper | 11655 |
| 1131 | Kertell | Kertell | 550 |
| 1132 | Manning | Manning | 2500 |
| 1133 | Dolan | Dolan | 3900 |
| 1134 | Henger | Henger | 950 |
| 1135 | Bishop | Goranson | 4000 |
| 1136 | Carlson | Owner | 4000 |
| 1137 | Bkly Dev Co | Mason | 3000 |
| 1138 | Same | Same | 5000 |
| 1139 | Ivie | McChesney | 500 |
| 1140 | Davies | Mathson | 3000 |
| 1141 | Cal Bldrs Co | Owner | 3000 |
| 1142 | Same | Same | 6000 |
| 1143 | Same | Same | 12000 |
| 1144 | Same | Same | 9000 |
| 1145 | Same | Same | 3000 |
| 1146 | Same | Same | 12000 |
| 1147 | Same | Same | 3000 |
| 1148 | Same | Same | 15000 |
| 1149 | Same | Same | 3000 |
| 1150 | Same | Same | 3000 |
| 1151 | Same | Same | 6000 |
| 1152 | Same | Same | 6000 |
| 1153 | Same | Same | 15000 |
| 1154 | Bethlehem | Pedgrift | 51059 |
| 1155 | Johnson | Harnish | —— |
| 1156 | Schwarts | Muller | 12500 |
| 1157 | Okd. Boy Scouts | Owner | 2000 |
| 1158 | Santi | Malley | 6700 |
| 1159 | Ackerman | Woolsey | 1200 |
| 1160 | Excelsior | Owner | 700 |
| 1161 | Pantages | Barrett | 500 |
| 1162 | Conant | Morrison | 6500 |
| 1163 | Whiting | Porter | 500 |
| 1164 | Wilson | Sorensen | 7000 |
| 1165 | Beaumont | Noble | 3500 |
| 1166 | Noble | Noble | 2800 |
| 1167 | Same | Same | 3500 |
| 1168 | Same | Same | 4000 |
| 1169 | Haslett | Hazzard | 2000 |
| 1170 | Judge | Ala Land Co | 1500 |
| 1171 | Donovan | Swenson | 795 |
| 1172 | Pescio | Owner | 2000 |
| 1173 | Hanvey | Larmer | 12000 |
| 1174 | Simons | Owner | 450 |
| 1175 | Kopperud | Owner | 2000 |
| 1176 | Realty Un Inv | Burks | 2000 |
| 1177 | Sherman | Owner | 2000 |
| 1178 | Johnson | Hurley | 6100 |
| 1179 | Same | Reed | 6460 |
| 1180 | Moore | Stolte | 2200 |
| 1181 | S. P. | Shrader | 428 |
| 1182 | Mihan | Owner | 3000 |
| 1183 | Ardenyi | Rogers | 10500 |
| 1184 | City of Okd | Faulkes | 2740 |
| 1185 | City of Okd | Faulkes | 1370 |
| 1186 | Hy-Pres Mfg. | Jones | 480 |
| 1187 | Smith | Owner | 3500 |
| 1188 | Cal. Crem. | Pedgrift | 5000 |
| 1189 | Calow | Westlund | 4598 |
| 1190 | Molta | Alameda | 940 |
| 1191 | Gwynn | Owner | 2000 |
| 1192 | White | Gustafson | 650 |
| 1193 | Union Oil | Owner | 4500 |
| 1194 | Sinclair | Owner | 2500 |
| 1195 | Elwood | Christiansen | 400 |

GARAGE
(1126) 3147 CLAREMONT AVE., Berkeley. Garage.
Owner—H. S. Ridgely, premises.
Architect—None
Contractor—F. R. Peake, Shattuck and Addison, Berkeley.
COST, $1,000

ADDITION
(1127) NO. 1706 OXFORD ST., Berkeley. Addition.
Owner—Julius Radston.
Architect—None.
Contractor—H. C. Smith, 2011 Francisco St., Berkeley.
COST, $780

DWELLING
(1128) NO. 2215 EUNICE, Berkeley. One-story three-room dwelling.
Owner—Mrs. H. Meyer Heldt, 1192 Spruce St., Berkeley.
Architect—None.
Contractor—M. F. Heldt, 1192 Spruce St., Berkeley.
COST, $1500

FRAME DWELLING
(1129) PTN LOT 1 Revised Subdivision of Lot 15 Blk "G" Piedmont Park, Piedmont. All work for two-story and basement frame dwelling.
Owner—D. D. Boyd.
Architect—None.
Contractor—M. E. Hopper & Son, 12 Linda St., Oakland.
Filed May 17, '20. Dated May 14, '20. On 5th and 20th of each month work completed to that date....
TOTAL COST, Not over $10,760, including $978 for contractor.
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING
(1130) LOT 2 Map Craig Property, being at Craig and Highland Aves., Piedmont. All work for two-story and basement frame dwelling.
Owner—Julie I. Haste and Lona Belle Kirketerp, 110 Mesa Ave., Piedmont.
Architect—None.
Contractor—M. E. Hopper & Son, 12 Linda St., Oakland.
Filed May 17, '20. Dated Apr. 28, '20. On 5th and 20th of each month work completed to that date....
TOTAL COST, not over $11,655, including $1060 for contractor.
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported May 12, 1920, No. 1083.

ALTERATIONS
(1131) NOS. 2003-5-7 ELMWOOD AV., Oakland. Alterations.
Owner—C. P. Kertell, 5255 Boyd Ave., Oakland.
Architect—None.
Day's work. COST, $550

DWELLING
(1132) NE FIFTY-NINTH & CANNING Oakland. One-story 4-room dwlg.
Owner—A. M. Manning, 6903 Canning St., Oakland.
Architect—None.
Day's work. COST, $2500

DWELLING
(1133) N FIFTY-FOURTH 205 E Market, Oakland. One-story 6-room dwelling.
Owner—Leo J. Dolan, 2259 E-16th St., Oakland.
Architect—None.
Day's work. COST, $3900

ALTERATIONS
(1134) NO. 431 LAGUNITAS AVE., Oakland. Alterations and garage.
Owner—G. B. Hengen, Premises.
Architect—None.
Day's work. COST, $950

DWELLING
(1135) W SIXTY-FIRST AVE 80 N Eastlawn, Oakland. One-story six-room dwelling.
Owner—Fred Bishop, 282 8th St., Okd.
Architect—None.
Contractor—H. Goranson, 3476 Laguna St., Oakland.
COST, $4000

DWELLING
(1136) N BEVERLY PLACE 150 W Colusa, Berkeley. One-story 5-room dwelling and garage.
Owner—C. E. Carlson, 1941 Berkeley Way, Berkeley.
Architect—None.
Day's work. COST, $4000

DWELLING
(1137) W ALAMEDA 50 N Josephine, Berkeley. One and one-half-story 6 room dwelling

Owner—Berkeley Development Co., Shattuck and Addison, Berkeley.
Architect—None.
Contractor—Mason, McDuffie Co., Shattuck and Addison, Berkeley.
COST, $3000

DWELLINGS
(1138) S HOPKINS 80 AND 40 W Milvia, Berkeley. Two one-story 5-room dwellings.
Owner—Berkeley Development Co., Shattuck and Addison, Berkeley.
Architect—None.
Contractor—Mason, McDuffie Co., Shattuck and Addison, Berkeley.
COST, $2500 each

ALTERATIONS
(1139) NO. 123 PARKSIDE DRIVE, Berkeley. Alterations.
Owner—Dr. Horace Ivie, Premises.
Architect—None.
Contractor—W. E. McChesney, 1315 San Luis Ave., Oakland.
COST, $500

DWELLING
(1140) SW WARD AND BAKER, Berkeley. One-story 5-room dwlg.
Owner—Robert Davies, 117 Greenbank St., Oakland.
Architect—None.
Contractor—E. T. Mathson, 2219 Damuth St., Oakland.
COST, $3000

DWELLING
(1141) E EIGHTH ST 100 N Page, Berkeley. One-story 5-room frame dwelling.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLINGS
(1142) E TENTH 121 AND 85 N Page, Berkeley. Two one-story 5-room frame dwellings.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
COST, $3000 each

DWELLINGS
(1143) E TENTH 85, 121, 157 and 193 S Camelia, Berkeley. Four one-story 5-room frame dwellings.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
COST, $3000 each

DWELLINGS
(1144) N PAGE 30, 65 and 100 E Tenth St., Berkeley. Three one-story five-room frame dwellings.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
COST, $3000 each

DWELLING
(1145) NE TENTH AND PAGE STS., Berkeley. One-story 5-room frame dwelling.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLINGS
(1146) N PAGE 52, 91, 130, and 169 E 8th St., Berkeley. Four one-story five-room frame dwelling.
Owner—California Builders Company, 1534 Franklin St., Oakland.
Architect—None.
Day's work. COST, $3,000 each

DWELLING
(1147) SW CAMELIA AND SAN Pablo, Berkeley. One-story five-room frame dwelling.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLINGS
(1148) S CAMELIA, 31, 64, 94, 138 and 167 W San Pablo, Berkeley. Five one-story five-room frame dwellings.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
Day's work. COST, $3000 each

DWELLING
(1149) S CAMELIA, 30 E 10th St., Berkeley. One story five-room frame dwelling.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLING
(1150 SE TENTH AND CAMELIA Sts., Berkeley. One-story five-room frame dwelling.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
Day's work. COST, $3000

DWELLINGS
(1151) S CAMELIA, 143 and 104 W 9th St., Berkeley. Two one-story five-room frame dwellings.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
Day's work. COST, $3000 each

DWELLINGS
(1152) W SAN PABLO AVE., 114 and 78 S Camelia, Berkeley. Two one-story five-room dwellings.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Day's work. COST, $3000 each

DWELLINGS
(1153) W SAN PABLO, 55, 91, 127, 163 and 199 N Page; Oakland. Five one-story five-room dwellings.
Owner—California Builders Co., 1534 Franklin St., Oakland.
Architect—None.
Day's work. COST, $3,000 each

HOSPITAL
(1154) ALAMEDA WKS. OF OWNER, Alameda. All work for one-story brick and concrete hospital.
Owner—Bethlehem Shipbuilding Corp.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—Jas. H. Pedgrift, 351 12th St., Oakland.
Filed May 18, '20. Dated May 12, '20.
50% completed ..... 25%
75% completed ..... 25%
Completed and accepted..... 25%
30 days after..... 25%
TOTAL COST, $51,079
Bond, $25,529.50. Surety, American Surety Co. Limit. Oct. 20, 1920. Bonus, $20. Forfeit, $20. Plans and specifications filed.

FACTORY
(1155) LOT 19 MAP H. C. Dohrs Homestead being NE Cor. Fortieth and Adeline Sts., Oakland and Emeryville. All work except items, service and materials furnished by the Austin Co. of Cleveland for one-story steel frame factory.
Owner—Johnson Electric Washer Co., 2074 Market St., San Francisco.
Architect—None.
Contractor—John Harnish, Pacific Bldg., San Francisco.
Filed May 18, '20. Dated May 13, '20.
On 5th and 20th of each month owner pays all bills.....
Contractor's percentage within 35 days after completed and accepted. .....
TOTAL COST plus 5%
Bond, none. Limit, 90 days. Forfeit, $20. Plans and specifications filed.

AUTO SALES ROOM
(1156) W BROADWAY 99 S 24th St., Oakland. One-story concrete auto sales room.
Owner—J. Schwartz, 914 Washington St., Oakland.
Architect—Reed & Corlett, Oakland Bk. of Savings Bldg., Oakland.
Contractor—F. A. Muller, Syndicate Bldg., San Francisco.
COST, $12,500

BARRACKS
(1157) DIMOND CANYON, Oakland. One-story 7-room barracks.
Owner—Oakland Piedmont Council of Boy Scouts of America, Thayer Bldg., Oakland.
Architect—None.
Day's work. COST, $2000

STORE BUILDING
(1158) SE FAIRFAX AND BOND Sts., Oakland. One-story store bldg.
Owner—V. Santi, 8th and Brush Sts., Oakland.
Architect—None.
Contractor—H. G. Malley, 2947 West St., Oakland.
COST, $6700

ALTERATIONS
(1159) NO. 1754 SIXTY-NINTH AVE., Oakland. Alterations.
Owner—C. M. Ackerman.
Architect—None.
Contractor—J. Woolsey, 1752 69th Ave. Oakland
COST, $120

WANTED TO BUY
Hoisting Engines, Concrete Mixers, Cranes—Draglines Or any Construction Equipment
EQUIPMENT COR. OF AMERICA
Lumber Exchange Building,
Chicago, Illinois

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Make the Hardest Waters Absolutely Soft for the Modern Home.
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W. C. Dallas, 92 Sea View.
Berkeley.
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A. Mereen, Claremont Court.
Redwood City.
E. R. Diamond, Portola Road.
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ALTERATIONS
(1160) NO. 437 TWELFTH ST., Oakland. Alterations.
Owner—Excelsior Laundry Co., 2116 West St., Oakland.
Architect—None.
Day's work. COST, $704

PICTURE BOOTH
(1161) N TWELFTH 150 E Broadway Oakland. Picture booth.
Owner—Pantages Theatre.
Architect—None.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, $500

DWELLING
(1162) W WARFIELD AVE 85 S Fairbanks, Oakland. One-story 6-room dwelling.

Owner—Aida Conant, 467 Chetwood St., Oakland.
Architect—None.
Contractor—Wallace Morrison, 4634 Park Blvd., Oakland. COST, $6500

ADDITION
(1163) NO. 2405 CEDAR ST., Berkeley. Addition.
Owner—H. H. Whiting, 1529 Hawthorne Terrace, Berkeley.
Architect—None.
Contractor—H. H. Porter, 2563 Buena Vista Way, Berkeley. COST, $500

ALTERATIONS
(1164) NO. 2524 CHANNING WAY, Berkeley. Alterations and finishing dormitory.
Owner—Miss Wilson, Premises.
Architect—W. H. Ratcliff Jr., 1st Nat'l. Bank Bldg., Berkeley.
Contractor—Walter Sorensen, 3219 Ellis St., Berkeley. COST, $7000

DWELLING
(1165) NO. 301 SANTA CLARA AVE., Alameda. One-story 6-room dwlg.
Owner—Gerald P. Beaumont, 300 Santa Clara Ave., Alameda.
Architect—None.
Contractor—Geo. H. Noble, 2205 Santa Clara Ave., Alameda. COST, $3500

DWELLING
(1166) NO. 1113 PEARL ST., Alameda. One-story 4-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, $2800

DWELLING
(1167) NO. 2626 SAN JOSE AVE., Alameda. One-story 5-room dwlg.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, $3500

DWELLING
(1168) NO. 2630 SAN JOSE AVE., Alameda. One-story 6-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, $4000

ADDITION
(1169) S END MORTON ST., Alameda. Addition.
Owner—Mrs. Rose Haslett, 1315 Clinton St., Alameda.
Architect—None.
Contractor—H. W. Hazzard, 1622 Clinton St., Alameda. COST, $2000

ALTERATIONS
(1170) NOS. 2201-03 SAN ANTONIO Ave., Alameda. Alterations.
Owner—H. Judge.
Architect—None.
Contractor—Alameda Land Co., 1434 Park St., Alameda. COST, $1500

ALTERATIONS
(1171) NO. 2232 SAN JOSE AVE., Alameda. Alterations.
Owner—Mary Donovan, 1625 Clay St., Oakland.
Architect—None.
Contractor—L. Swensen, 2242 Encinal Ave., Alameda. COST, $795

ALTERATIONS
(1172) NO. 5349 MILES AVE., Oakland. Alter dwelling into flats.
Owner—John Pescio, 5349 Miles Ave., Oakland.
Architect—None.
Day's work. COST, $2000

FLATS
(1173) N OAK GROVE 300 W College Ave., Oakland. Two-story 16-room flats and garage.
Owner—Miss M. Hanvey, San Francisco
Architect—None.
Contractor—Edw. Larmer, 470 Boldevard Way, Oakland. COST, $12,000

(1174) NW THIRD AND HARRISON, Oakland. Alterations.
Owner—R. Simons, 201 Easton Bldg., Oakland.
Architect—None.
Day's work. COST, $450

FOUNDATION
(1175) N THIRTEENTH 100 W Harrison, Oakland. Foundation.
Owner—Kinsell & Kopperud, 2030 High St., Oakland.
Architect—None.
Day's work. COST, $2000

REPAIRS
(1176) NO. 1624-26-28-32 JULIA ST., Berkeley. Repair four buildings.
Owner—Realty Union Investment Co.
Architect—None.
Contractor—C. E. Burks, 4152 Randolph Ave., Oakland. COST, $500 each

ALTERATIONS
(1177) NO. 35 HILLCREST ST., Berkeley. Alterations and additions.
Owner—J. T. Sherman, 2814 College Ave., Berkeley.
Architect—None.
Day's work. COST, $2000

FACTORY
(1178) EMERYVILLE. Concrete work for one-story steel and brick factory
Owner—Johnson Electric Washer Co., 2074 Market St., San Francisco.
Architect—None.
Contractor—John Harnish, Pacific Bldg., San Francisco.
Sub-Contractor—P. Hurley, 578 Elizabeth St., San Francisco.
Filed May 20, '20. Dated May 17, '20.
Foundation completed .....$1500
Completed and accepted..... 3000
Usual 35 days..... 1600
TOTAL COST, $6100
Bond, none. Limit, 30 days. Forfeit, plans and specifications, none.

(1179) TILE AND BRICK WORK ON above.
Sub-Contractor—A. G. Reed, 180 Jessie St., San Francisco.
Filed May 20, '20. Dated May 7, '20.
One-half completed .....$2460
Completed and accepted..... 2400
Usual 35 days..... 1600
TOTAL COST, $6460
Bond, none. Limit, 30 days. Forfeit, plans and specifications, none.

DWELLING
(1180) SE TWELFTH ST., 80 W 40th Ave., Oakland. One-story three-room dwelling.
Owner—Anna E. Moore, E-12th St. and 40th Ave., Oakland.
Contractor—F. C. Stolte, 3456 Wilson Ave., Oakland.
Architect—None. COST, $2200

REPAIRS
(1181) NO. 1934 FRANKLIN ST., Oakland. Fire repairs.
Owner—S. P. Co.
Architect—None.
Contractor—J. F. Shrader, 520 16th St., Oakland. COST, $428

ALTERATIONS
(1182) NO. 776 FOURTEENTH ST., Oakland. Alterations, two-story dwelling into flats.
Owner—Madeline Mihan, premises.
Architect—Miller & Warnecke, Perry Bldg., Oakland.
Day's work. COST, $3000

APARTMENTS
(1183) N FORTY-FIRST ST., 600 E. Telegraph Ave., Oakland Two-story twelve-room apartments.
Owner—Dr. Jos. Ardenyi.
Architect—None.
Contractor—Jos. T. Rogers, 321 Oakland Ave., Oakland. COST, $10,500

SCHOOLS
(1184) KANSAS ST. AND BROWN Ave., Oakland. Two one-story one-room schools.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370 each

SCHOOL
(1185) SCHOOL AND BOSTON AVE., Oakland. One-story one-room school.
Owner—City of Oakland.
Architect—None.
Contractor—John R. Faulkes, 9828 E-14th St., Oakland. COST, $1370

ALTERATIONS
(1186) NO. 411 WEBSTER ST., Oakland. Alterations
Owner—Hy-Fres Mfg. Co., premises.
Architect—None.
Contractor—F. G. Jones, 1217 Webster St., Oakland. COST, $480

DWELLING
(1187) E ONE HUNDRED AND fifth Ave. 675 N E-14th St., Oakland. One-story six-room dwelling.
Owner—R. A. Smith, 4333 Adeline St., Oakland.
Architect—None.
Day's work. COST, $3500

ALTERATIONS
(1188) NO. 4499 PIEDMONT AVE., Oakland. Alter interior.
Owner—California Crematorium.
Architect—None.
Contractor—J. H. Pedgrift, 351 12th St., Oakland. COST, $5000

FACTORY BUILDING
(1189) SE COR. PARK AVE. AND Holden Sts., 133x125, Emeryville. Forms and carpenter work for one-story reinforced concrete factory building.
Owner—P. Calou Estate, 3251 Grove St., Oakland.
Architect—Sidney B. & Noble Newsom, Nevada Bk. Bldg., San Francisco.
Contractor—Fred J. Westlund, 2207 10th Ave., Oakland.
Filed May 20, '20. Dated May 19, '20.
Forms up .....$1149
Roof sheathed ..... 1149
Completed and accepted..... 1149
Usual 35 days..... 1151
TOTAL COST, $4598
Bond, $2299. Sureties Wm. Makin & V. E. Swedberg. Forfeit, $10. Limit, without delay. Plans and specifications filed.

ALTERATIONS
(1190) NO. 807 KENNEDY ST., Oakland. Alterations.
Owner—O. R. Molta, premises.
Architect—None.
Contractor—A. B. Almeida, 2004 E-17 St., Oakland. COST, $940

DWELLING
(1191) E MAPLE 1000 N SYLVIAN, Oakland. One-story five-room dwelling.
Owner—C. F. Gwynn.
Architect—None.
Day's work. COST, $2,000

ALTERATIONS
(1192) NO. 1717 SIXTEENTH AVE., Oakland. Alterations.
Owner—Mrs. E. White, premises.
Architect—None.
Contractor—Alfred Gustafson, 226 29th St., Oakland. COST, $650

SERVICE STATION
(1193) SW COR. SEVENTH AND Myrtle Sts., Oakland. One-story steel service station.
Owner—Union Oil Co., Los Angeles.
Architect—None.
Day's work. COST, $1,500

DWELLING
(1194) THORNHILL ROAD, Oakland. One-story five-room dwelling.
Owner—Wm. A. Sinclair, 5788 Shafter Ave., Oakland.
Architect—None.
Day's work. COST, $2,500

GARAGE
(1195) NO. 4115 WOODRUFF AVE., Oakland. Garage.
Owner—E. C. Elwood, premises.
Architect—None.
Contractor—J. P. Christiansen, 3831 Brighton Ave., Oakland. COST, $400

## COMPLETION NOTICES

### Alameda County

May 15, 1920—S ALCATRAZ AVE 122 E Colby E 40xS 135. R J Wright E Colby E 40xS 135. ——. R J Wright to Leslie R Wilson.....May 14, 1920

May 17, 1920—LOT 23, BLK A MAP Oakland Highlands, Oakland. Safe Realty Co. to C. W. Short.....May 6, 1920

May 17, 1920—ADJOINING PRESent building at Beach St. and Yerba Buena Ave., ——, Cali-

fornia Packing Corporation to William J. Baccus.....May 12, 1920
May 17, 1920—LOT 23, BLK "D" and Lot 20 Blk "A" Map Oakland Highlands, Oakland. Safe Realty Co to C W Short.....May 6, 1920
May 18, 1920—PTN LOT 1 BLK "W" Revised Map Oakland Heights, Oakland. A V Long to C J Pfrang .....April 24, 1920
May 19, 1920—NE COR. PARK BLVD. and E-34th St., Oakland. S. A. Warner to whom it may concern.. .....May 14, 1920
May 20, 1920—SHATTUCK AVE. from S Ward St. to N University Ave., Berkeley. S P. Co. to Ransome-Randle Co.....May 18, 1920 to Leslie R Wilson.....May 14, 1920

### LIENS FILED.

## Alameda County

May 18, 1920—NE FLORIDA AND Maple Ave E 99.4 N 50 W to pt 50.38 N Florida S 50.38, Okd. Sunset Lumber Co vs H L Valleroy..$418.64
May 19, 1920—LOTS 39, 41, 42, 43, 44, 45, 46, 47, 48, 55, Blk. 8, Map Havenscourt, Oakland. W. and J. Sloane vs. Louis Steckler .....$195.75
May 19, 1920—LOTS 39, 41, 42, 43, 44, 45, 46, 47, 48, 55, Blk. 8, Map Havenscourt, Oakland. Hogan Lumber and Mill Co. vs. Louis Steckler and Geo. W. Boxton & Son.....$4294.42
May 19, 1920—LOTS 39, 41, 42, 43, 44, 45, 46, 47, 48, 55, Blk. 8, Map Havenscourt, Oakland. Maas Electric Co. vs. Louis Steckler .....$475
May 19, 1920—LOTS 39, 41, 42, 43, 44, 45, 46, 47, 48, 55, Blk. 8, Map Havenscourt, Oakland. Oakland Planing Mills vs. Louis Steckler and Melvin Klyce .....$414
May 19, 1920—LOTS 39, 41, 42, 43, 44, 45, 46, 47, 48, 55, Blk. 8, Map Havenscourt, Oakland. E. L. Blackman Co. vs. Louis Steckler.....249.98
May 19, 1920—LOTS 39, 41, 42, 43, 44, 45, 46, 47, 48, 55, Blk. 8, Map Havenscourt, Oakland. J. W. Rule vs. Louis Steckler .....$1,810.50
May 19, 1920—LOT 9 AND W 20 LOT 10, Map showing location at 17th St. Bet. Grove St. and San Pablo Ave., Oakland. Charles W. Knights vs. Eva M. and H. K. Fagan.....$446.99
May 19, 1920—LOT 8, BLK. 464 H Excelsior Heights, Oakland. California Builders Co. vs. Edna W. and H. Clay Morris .....$124.30

### CONTRACT AWARDED FOR STEAM BOILER.

OAKLAND, Alameda Co., Cal.—Bids were opened and a contract awarded by the Alameda County Supervisors on May 17th for the erection and completion of an additional high pressure steam boiler at Arroyo Sanatorium, near Livermore.

Robert Dalziel Jr. was the successful bidder at $6,877.

A complete list of the bids follow:

| | |
|---|---|
| Robert Dalziel Jr. | $6,877 |
| Scott Co. | 8,897 |
| W. K. Nottingham | 8,333 |
| Carl T. Doell | 9,456 |
| J. E. O'Mara | 8,200 |

### BUILDING CONTRACTS.

#### Santa Clara County.

ALTERATIONS
SANTA CLARA & SAN PEDRO STS., San Jose. Alterations.
Owner—Frank Baumgartner, 42 Lenzen St., San Jose.
Architect—L. T. Lenzen, 210 S-Second St., San Jose.
Contractor—Wm. Moore, 75 Duane St., San Jose. COST, $1000

ALTERATIONS
SAN SALVADOR AND THIRD STS., San Jose. Alterations.
Owner—H. R. Tripp, 161 W-San Carlos St., San Jose.
Architect—None.
Contractor—G. W. Humphrey COST, $2000

ALTERATIONS
NO. 40 N-FIRST ST., San Jose. Alterations.
Owner—L. Earle Gryden, Premises.
Architect—None.
Contractor—J. O. Field, Builders' Exchange, San Jose. COST, $940

ADDITION
NO. 169 PARK AVE., San Jose. Addition.
Owner—M. Mello, Premises.
Architect—Wolfe & Higgins, Auzerais Bldg., San Jose.
Day's work. COST, $——

COTTAGE
NO. 417 HULL AVE., San Jose. Cottage
Owner—A. Bertucci, Premises.
Day's work. COST, $1800

ALTERATIONS
NO. 217 S-ELEVENTH ST., San Jose. Alterations.
Owner—L. T. Clark, Premises.
Architect—None.
Day's work. COST, $1500

### COMPLETION NOTICES.

#### Santa Clara County.

Recorded Accepted
May 11, 1920—RANDOL AVE, San Jose. Clyde Alexander to whom it may concern.....May 10, 1920
May 12, 1920—SAN JOSE, The Thomas Drug Co (Lesses) to G M Latta.....May 6, 1920
May 18, 1920—NE CUTNER AND Cottle Aves, Santa Clara Co. Angelo Danna to M Perina.May 15, 1920
May 18, 1920—E LOS GATOS AND Saratoga Rd. Opp. Williams Rd Santa Clara County. E B Thrift to E Nommensen.....May 10, 1920
May 21, 1920—NO. 30 ALVARADO Row, on Grounds of Leland Stanford Jr. University, Palo Alto. Board of Trustees of Leland Stanford Jr. University to F W Fox, Cashel Bros and J M Taylor..... .....May 18, 1920

### RELEASE OF LIENS.

#### Santa Clara County.

Recorded Amount
May 15, 1920—SAN JOSE, San Jose Lumber Co to E E Weldon, Albert J Spring & Alice J Springer.$367.56
May 20, 1920—SAN JOSE, Fred A. Middleham to E. M. H. White..... .....$1,025

### LIENS FILED.

#### Santa Clara County.

Recorded Amount
May 8, 1920—PARTS LOTS 4 AND 6 and all Lot 5 of J J Morris Real Estate Company's Sbdvn Cogan Tract, Santa Clara County. Ralph W Folcker vs George Miller and Ida Miller, his wife.....$121.91
May 14, 1920—LOTS 4 AND 5 BLK 80 Naglee Park Tract No. 4, San Jose, San Jose Lumber Co vs Mary R E Lee and A M Whiteside.....$1153.56

### BUILDING CONTRACTS.

#### Fresno County.

DWELLING
LOTS 25 AND 28 BLK 1, Hill Addition, Fresno. Dwelling and garage.
Owner—Kelly & Neal, Fresno.
Architect—None.
Day's work. COST, $3000

WAREHOUSE
H AND SAN BENITO STS., Fresno. Warehouse.
Owner—California Packing Co., 2301 Fresno St., Fresno.
Architect—None.
Contractor—D. D. Mancill, 703 Palm St., Fresno. COST, $2000

DWELLING AND GARAGE.
ALTA VISTA LOT 8 BLK. 6, Fresno. Frame dwelling and garage.
Owner—H. H. Smith, 731 Wilson St., Fresno.
Architect—None
Day's work COST, $5,000

G AND MARIPOSA STS., Fresno. Addition.
Owner—Albers Bros., Fresno.
Architect—None.
Day's work. COST, $2,000

FRAME DWELLING
LOTS 36 AND 37 BLK 2, Claremont Addition, Fresno. Frame dwelling.
Owner—Mrs. H. P. Haycraft, Central Ave., Fresno.
Architect—None.
Day's work. COST, $4000

ADDITION
NO. 463 BELMONT AVE., Fresno. Addition.
Owner—R. F. Cox, Premises.
Architect—None.
Day's work. COST, $1000

OIL STATION
VAN NESS AND TUOLUMNE STS., Fresno. Oil station.
Owner—Shell Oil Co., East Ave., Fresno.
Architect—None.
Day's work. COST, $2000

### COMPLETION NOTICES.

#### Fresno County.

Recorded Accepted
May 14, 1920—SEC. 11, 19-15 Oil Well No. 69, Fresno. Southern Pacific Co to whom it may concern..... .....May 13, 1920
May 19, 1920—LOTS 15 AND 16 BLK 1, Allen & Binford Tract, Fresno. C E Orwig to whom it may concern.....May 12, 1920
May 18, 1920—LOT 1 BLK 151, Sanger Paul Kershaw to whom it may concern.....May 17, 1920
May 19, 1920—S 125 FEET LOT 1, W ½ Lot 2, Park Place, Fresno. A F Lambert to whom it may concern .....May 18, 1920
May 19, 1920—NINTH AND KERKCHOFF Aves, Fresno. Earl J Wallace to whom it may concern.May 18, 1920
May 19, 1920—LOT 15, Normal Villa, Fresno. Harry P Jayne to whom it may concern.....May 18, 1920

### LIENS FILED.

#### Fresno County.

Recorded Amount
May 19, 1920—LOT 7 BLK 27, Alta Vista, Fresno. Jesse Blattenberger vs Harry Ericksen and M C R Nelsen .....$127
May 20, 1920—NE ¼ OF SW ¼ OF Sec. 22, 15-24, Fresno. Jesse C Brown vs L O Aivazian.....$461
May 15, 1920—POPPY COLONY BLK. 49, Fresno. T. M. Robinson vs. J. A. and Tessie A. Manning....$650

### BUILDING CONTRACTS.

#### Sacramento County.

DWELLINGS AND GARAGES
NOS. 3027 AND 3029 U ST., Sacramento. Two one-story 4-room stucco dwellings and garages.
Owner—J. C. Hobrecht, 1014 6th St., Sacramento.
Architect—None.
Contractor—G. D. Hudnutt, California Fruit Bldg., Sacramento. COST, $3600 each

GARAGE
NO. 908 TWENTY-SEVENTH ST., Sacramento. Eleven stall private garage
Owner—Kohler Estate, 2630 I St., Sacramento.
Architect—None.
Contractor—F. A. Holdener, 2310 J St., Sacramento. COST, $2000

WAREHOUSE
NO. 1704 M ST., Sacramento. One-story warehouse.
Owner—Perkins Co., 1700 M St., Sacramento.
Architect—None.
Contractor—J. F. Randall, 162 26th St., Sacramento. COST, $1300

ALTERATIONS
NO. 526 FIFTEENTH ST., Sacramento. Remodel 1 4-room flats.
Owner—J. C. Meyers, 620 J St., Sacramento.
Architect—None.
Contractor—G. D. Hudnutt, California Fruit Bldg., Sacramento. COST, $4000

ALTERATIONS
NO. 830 J ST., Sacramento. Remodel store.
Owner—E. Fabian, 1520 M St., Sacramento.
Architect—None.
Contractor—Seller Bros.
COST, $2500

FRAME DWELLING
NO. 2650 DONNER WAY, Sacramento. One and one-half-story 6-rm frame dwelling and garage.
Owner—J. C. Carly Co., 823 J St., Sacramento.
Architect—None.
Day's work. COST, $5200

FRAME DWELLING
NO. 2660 DONNER WAY, Sacramento. One-story five-room frame dwelling and garage.
Owner—J. C. Carly Co., 823 J St., Sacramento.
Architect—None.
Day's work. COST, $4200

FRAME DWELLING
NO. 2666 DONNER WAY, Sacramento. Seven-room stucco and frame dwelling and garage.
Owner—J. C. Carly Co. 823 J St., Sacramento.
Architect—None.
Day's work. COST, $6800

FRAME DWELLING
NO. 2676 DONNER WAY, Sacramento. One-story five-room frame dwelling and garage.
Owner—J. C. Carly Co, 823 J St., Sacramento.
Architect—None.
Day's work. COST, $4500

REMODEL
NO. 500 "M" ST., Sacramento. Remodel two-story brick building.
Owner—Japanese Presbyterian Mission, 500 "M" St., Sacramento.
Architect—None.
Contractor—Gene Pendergast, 1311 22d St., Sacramento.
COST, $900

DWELLING AND GARAGE
NO. 1911 45th St., Sacramento. One-story six-room frame and stucco dwelling and garage.
Owner—A. Small, 1805 45th St., Sacramento.
Architect—None.
Day's work. COST, $4,000

DWELLING
NO. 1125 FORTY-THIRD ST., Sacramento. Two-story 7-room stucco dwelling.
Owner—Louis D. King, 1920 29th St., Sacramento.
Architect—None.
Contractor—C. H. Chatterton, 3162 Serra Way, Sacramento.
COST, $14,500

## LIENS FILED.

### Sacramento County.

Recorded Account
May 14, 1920—LOTS 24 TO 32 BLK 19, Biola. De Jongh & Cochran vs First Free Evangelical Lutheran Church of Biola and C H Nilmeier ..... $942.
May 13, 1920—W ½ OF N ½ LOT 4. I, J, 28th and 29th Sts, Sacramento. O A Henley and O J Henley (as O A Henley & Son) vs C A Gray..$80.25

## BUILDING CONTRACTS.

### San Joaquin County.

RESIDENCE
LOMINTO PARK ON LEXINGTON Ave., Stockton. Frame residence.
Owner—Ethel Moran, 119 Kensington Way, Stockton.
Architect—None.
Day's work. COST, $3,500

RESIDENCE
SONOMA AVE., Stockton. Frame residence.
Owner—Stockton Land Co., 323 E. Weber St. Stockton.
Architect—None.
Day's work. COST, $4000

GARAGE
SIERRA NEVADA AND FREMONT Sts., Stockton. Public garage.
Owner— G. Paglietti, Stockton.
Architect—None.
Day's work. COST, $4,000

RESIDENCE
W. MAPLE ST., Sperry Addition. Frame addition.
Owner—C. C. Blair, Stockton.
Architect—None.
Day's work. COST, $4,000

## CLAY PRODUCTS CO. AT IONE GOES BY THE BOARD

IONE, Cal.—The proposedl Clay Products Corporation for Ione seems to have yielded the ghost. Plans were laid by the promoters to manufacture fire brick, pottery and all clay products. The world market was open to such products, but whatever caused the downfall of the enterprise is not known to the citizens of this community.

One hundred and fifty thousand dollars in shares were to be sold, half in this district and the balance to be taken up by the promoters. Everyone here seemed enthusiastic over the outlook for Ione's future and had the plant been erected Ione would have enjoyed a boom. At one of the mass meetings held, E. W. Perkins was appointed chairman of a committee elected to canvas this vicinity and the neighboring towns to sell subscriptions of the stock. A. L. Harnett and C. C. Isaccs, two of this committee, made a canvas of the town, each person called upon subscribed for from 5 to 1000 shares. They reported that three of the wealthiest men here were ready to subscribe for 5,000 shares each.

C. C. Isaccs has since passed away and after his demise nothing further was done.

Later it was said the promoters wanted 15 of Ione's citizens to come forth with $5000 each, so as to let out all the small subscribers.

Ione is underlaid with such vast deposits of clay that if taken out for the next century, the supply would not be exhausted.—Stockton Record.

## RESOLUTIONS PASSED BY FOREIGN TRADE CLUB (WORLD TRADE CLUB) OF SAN FRANCISCO.

**Resolved,** That the President is hereby authorized to appoint a committee of five to aid in making arrangements for this Conference; and that said committee be designated as the Metric Committee for this organization, which in the world-wide educational campaign in behalf of metric standardization has used the name World Trade Club, in view of the International scope of the discussion. And further

**Resolved,** That this organization notes with gratification the widespread endorsement of the metric movement with which it has been associated by influential business and manufacturing organizations, large corporations, societies and associations, and influential citizens throughout the United States, and pledges its support to a continuation of the effort to gain for the United States of America the advantages of the logical, decimal system of weights and measures."—Resolution passed by unanimous vote of the Executive Committee of the Foreign Trade Club (World Trade Club) of San Francisco, at its meeting of 6 April, 1920.

"**Resolved,** by the Foreign Trade Club (World Trade Club), that we respectfully urge that the units of the Metric System be adopted by the Congress of the United States of America and the British Parliament as the exclusive legal standards of weights and measures.

**Further Resolved,** that copies hereof be forwarded to the President of the United States of America, and the British Premier, and other legislators concerned."—Resolution adopted by unanimous vote of the members of the Foreign Trade Club at the meeting of 18 June, 1919.

## GRANULITE IS NEW MINERAL FOR GLASS

LONDON—The American Chamber of Commerce in London announces the discovery of a material called granulite, which is of the first importance in the manufacture of glass. The material is a composite of silica, potash, soda and alumina and is to be found in large suantities on the northern border of Dartmoor, near Okehampton.

It is declared that by using this new mineral it will be possible for British manufacturers to make glass bottles cheaper than they can be made anywhere else in the world.

## HOME BUILDING COST DOUBLES

CHICAGO.—It costs nearly twice as much to build a home today as it did six years ago, according to lumber statistics published here recently.

Lumber has nearly trebled in value, Plastering, plumbing, carpenter work, excavation and grading cost twice as much.

According to the American Lumberman, a lumber publication, the cost of building a two-story stucco building, containing six rooms and bathroom, in 1914, was $2,632. The same house today would cost $5,692.

The following table shows the changes in the cost of various items in building since 1914:

| Building Material | 1914 | 1920 |
|---|---|---|
| Plastering inside | $126 | $360 |
| Plastering outside | 185 | 455 |
| Mill work | 265 | 790 |
| Hot water heating plant | 400 | 850 |
| Roofing | 88 | 160 |
| Cabinet work | 70 | 135 |
| Nails | 15 | 35 |
| Paint material | 95 | 170 |
| Hardware | 20 | 50 |

## APPRECIATION OF GOOD ARCHITECTURE

There are many signs of a growing appreciation of good architecture. During the last few years it has been greatly stimulated by city planning campaigns and public consideration of housing questions. As a result of the latter, particularly, more thought is being given today to good architecture than ever before. The barracks idea of homes for workmen has passed for good. Consideration is given now to the appearance of even the cheapest bunkhouse.

## TEICHEIRA CO. LUMBER FIRM, INCORPORATES.

FAIRFIELD, Cal.—Articles of incorporation for the Teicheira Lumber company, with a capitalization of $200,000, have been filed in the county clerk's office. The directors are Emerald Teicheira, G. E. Green, Harlow V. Greenwood, Louis Teicheira and Antonio Dos Reese.

### ADJUSTMENT OF FREIGHT RATES FROM AMERICAN PORTS.

The weekly bulletin dated April 24 of the National Merchant Marine Association contains the following announcement:

At a meeting held on Thursday and Friday between representatives of American and foreign steamship lines an agreement was reached to adopt a uniform policy in establishing freight rates from American ports. While no official information is available yet, it is understood that rates in the future will be fixed in conference under the supervision of the Shipping Board, and that competition which might result in rate cutting will practically be abolished. Among foreign lines entering into the agreement were British, French, Italian, Japanese, and others. At a preliminary meeting of American representatives it was decided that committees representing the various regions should initiate rates on commodities originating within their jurisdiction—that is, the Gulf interests would establish the rates on cotton and the North Atlantic would fix the rates on manufactured products coming from contiguous territory. Differential rates at various ports will be set by mutual agreement. A meeting is to be held in New York on May 3 to discuss rates from American ports to the Far East. Some form of permanent organization is to be established for the future adjustment of freight. This is understood to be a substantially accurate outline of the agreement, though a definite announcement has not been made.

### LATIN AMERICAN TRADE NOTES.

[File numbers cited refer to reserved information or trade lists, which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or cooperative offices.]

**Proposed Contract of English Company for Logging Privileges in Honduras.**

An English company has applied for a contract with the Department of Hacienda of Honduras for logging privileges of mahogany, royal cedar, and other woods in the Departments of Olancho, Paraiso, Colon, and Yoro. The company agrees to cut and export 50,000 trees within the period of 10 years, paying $15 (United States currency) for each tree, this price to include all export taxes. Exemption from import duties on materials and supplies, and the right to import Negro labor are sought. According to the terms of the proposed contract, an advance payment of 2,000 pounds sterling will be made one month after approval of the contract by the National Congress. Moreover, the concession is not exclusive, the Government having the right to make similar contracts with other persons or firms.

**Brazil Encourages Immigration.**

The Diario Official in its issue of January 20, has published a decree which authorizes the opening of a special credit of 2,000 contos (about $500,000) for the transportation and care of immigrants who desire to settle in the Federal colonies. The Government expects to provide for 3,000 Teutons and 2,000 immigrants of other nationalities who will be distributed principally in the States of Sao Paulo, Minas Geraes, and Rio de Janeiro.

Italy has already furnished many immigrants for Brazil who have not only gone into agricultural colonies, but to-day control a large part of the industry and commerce of Sao Paulo. A shortage of farm hands in the coffee and grain districts of this latter State has led to agitation by the press for the encouragement of immigration. In 1918, 20,501 immigrants of various nationalities arrived in Brazil, over 25 per cent of whom were Japanese.

**Machinery Wanted by Mexican Agricultural College.**

Consul E. A. Dow reports that the Juarez Agricultural College, which is taking considerable interest in the production of hemp in Northern Chihuahua inquires whether any small machine made in the United States can be utilized in manufacturing rope from a fiber such as that obtained from the native "Lechuguilla." It is thought that such a machine could be used to good advantage in the district and that its use at the college would have an educational value for the students who are drawn from various parts of Mexico. The college is also desirous of obtaining the loan of various American agricultural implements to be used in connection with a tractor which an American factory has already loaned. Among those implements especially mentioned are a drill for planting corn and other grains, a disk harrow, and a belt to connect the tractor with other machinery. Dealers in machines of the kind described might communicate with the Juarez Agricultural College, Ciudad Juarez, Mexico. Full information should be given, correspondence being in either English or Spanish.

### CZECHOSLOVAK COMMERCIAL ATTACHE STATIONED IN NEW YORK.

The following communication has been received from Dr. V. Smetana, commercial attache of Czechoslovakia at New York:

The Ministry of Public Works of the Czechoslovak Republic advises me that it receives offers and inquiries of American firms intending to do business with said Ministry.

I am informed that no goods are purchased by this Ministry and that it does not act as intermediary in commercial transactions of any kind.

I should be very glad if you could in somewise communicate with firms intending to do business with Czechoslovak, telling them that I have been appointed commercial attache to the Czechoslovak consulate general in New York, and as such I am competent to take up any question related to the commerce of Czechoslovakia and am willing to forward any offer of American goods to my Government, of parties interested herein, unless they prefer to use the services of the United States trade commissioner in Prague.

### CLEARING HOUSE REPORTS FROM CALIFORNIA CITITES.

Bank Clearings as reported to California Development Board by the several clearing house cities for the week showing the amount of increase on corresponding date last year:

| | | Increase |
|---|---|---|
| San Francisco | $166,094,185 | $38,707,927 |
| Los Angeles | 84,379,000 | 42,291,000 |
| Oakland ..... | 11,899,296 | 2,789,262 |
| Sacramento .... | 6,661,746 | 2,330,143 |
| San Diego ..... | 3,340,571 | 842,571 |
| Fresno ..... | 4,956,353 | 2,291,235 |
| Stockton (a) | 6,240,300 | ..... |
| San Jose (a) | 5,593,470 | ..... |
| Bakersfield .... | 1,289,113 | 359,840 |
| Pasadena ..... | 2,492,022 | 791,766 |
| Santa Rosa..... | 381,879 | ..... |
| Long Beach .... | 3,196,631 | 1,614,808 |
| Berkeley (a) | 3,556,109 | ..... |

(a) Bank debits.

### LOWER FREIGHT RATE FOR CEMENT REFUSED.

PHOENIX, Ariz.—The railroad companies have refused to grant a rate lower than $6.40 per ton on cement for county highways. Twohy Construction Co., which has the contract to build the county highways under the $1,000,000 bond issue, has already contracted for cement.

### FAR EASTERN TRADE NOTES.

[Prepared in the Far Eastern Division, Bureau of Foreign and Domestic Commerce, to which refer for fuller particulars. The District and Cooperative Offices have reserve information where reference number is given.]

**Far Eastern Importers of and Dealers in Machinery.**

Supplementing report No. FE-128, Market for Industrial Machinery in Far Eastern Tropics, which was announced in Commerce Reports No. 85, April 10, 1920, lists of importers of and dealers in machinery have been compiled and brought up to date for each country, giving addresses, and, so far as practicable, the kinds of machinery carried. They should prove of interest in view of the development in the Orient along many lines that make imperative the employment of kinds of machinery never before known in those localities, as well as an increasing demand for the types already introduced. In many instances the trade goes to those who have established connections with the dealers or importers, as the possibility of the early fulfillment of orders is a factor to be taken into consideration. These lists may be obtained for the separate countries by referring to the corresponding list numbers as follows: Australia, FE-23010; British Malaya, FE-18005; Ceylon, FE-22007; Dutch East Indies, FE-19007; Hawaiian Islands, FE-26003; India, FE-21012; Japan, FE-11013; Manchuria, FE-14008; New Zealand, FE-24006; Philippine Islands, FE-25003. (The lists for Honkong, FE-15001, and China FE-13009, were anounced in Commerce Reports No. 29, Feb. 4, 1920.)

**Japan's Growing Excess of Imports.**

The monthly increments by which Japan's adverse balance of trade has rapidly mounted to an approximate total of $130,000,000 for the first three months of 1920 were roughly $14,000,000 during January, $48,500,000 during February, and $67,500,000 during March. This is one of the principal factors behind Japan's financial disturbance.

**Activity in Japanese Cement Market.**

An activity in the Japanese cement market early in March, unusual at that season of the year, was reported by Consul General George H. Scidmore. In view of the prospects of an increased demand to meet the needs of the extensive construction of factories and other buildings, speculators were evidently buying up all the available stocks, which were not large, since manufacturers generally disposed of their output the latter part of 1919, at from $3.49 to $3.98 a barrel. A sudden rise in price to about $7 a barrel was the result. The present annual production is estimated at from 6,000,000 to 7,000,000 barrels.

**Japan Building More Powerful Locomotives.**

The construction of four locomotives of a more powerful type than any hitherto constructed in Japan is reported by Consul H. F. Hawley. They were built in the workshops of the Western Division of the Imperial Government Railways at Hamamatsu, have 1,300 horsepower and a maximum speed of 66 miles an hour, while the previous record in Japan was 830

horsepower, with a maximum speed of 60 miles an hour. Under ordinary conditions they will pull a load of 350 tons at 30 miles an hour, the previous best speed with this load being 20 miles an hour.

**Limited Market for Iron Pipes in Canton, China.**

A small but growing market for wrought-iron pipes in Canton and vicinity is reported by Consul General Leo Bergholz, in connection with the opening up of new streets and the construction of new buildings. Wrought, black, and galvanized iron are used for water-supply pipes, which are installed only by the Canton Water Supply Co.

**Demand in Honkong for Building Materials.**

A continued strong demand in Hongkong for all kinds of building materials was noted by Consul General George H. Anderson. In the face of the rising prices and a tendency to more extended deliveries, which make business difficult, importers were said to be endeavoring to place large orders for iron and steel products, including hardware, with a view to obtaining what they could as soon as possible. The special demand was for plates, bars, and rods. Nails were in fair demand, and tin plate was selling with no change in price or in time of delivery. Very little business was reported in lead, yellow metals, or similar materials.

**Hunan Province no Market for Motor Vehicles.**

It is thought, according to Consul M. F. Perkins, Changsha, that the Province of Hunan will not offer any possibilities as a market for motor vehicles for at least five years. Although there is a population of some 22,000,000, there is not an automobile in the Province, as there are no roads to use them on. The cities, towns, and villages are connected by narrow footpaths paved with a foot-wide line of granite for the accommodation of the wheelbarrow. The principal means of transportation, however, has been by the waterways, with which the Province is abundantly supplied. It seems likely that as the Province develops, railways, of which the Canton-Hankow Railway is the forerunner, will be built to provide a more adequate means of transporting passengers and certain kinds of freight long before any considerable amount of road building is thought necessary, except in the vicinity of the larger cities.

**Building Operations in the Dutch East Indies.**

A preliminary report by Trade Commissioner John A. Fowler on the building operations proposed or in progress in the Dutch East Indies, suggesting possible markets for American goods, is available by requesting file No. FE-135.

**Growing Demand for Cement in India.**

As the demand for cement in India has considerably increased with the projection of numerous irrigation and harbor-construction plans, and the extensive building operations, and as, at the same time, importations from Europe have been restricted, owing both to the increasing local demands and the prevailing high freight rates, several concerns are investigating the possibilities of increasing the output in India, as the prospects for cement manufacturing there are said to be distinctly good.

**Market for Brushes in Siam.**

It is believed, according to Vice Consul Carl C. Hansen of Bangkok, that there will be an increasing demand in Siam for brushes, especially tooth and hair brushes. Bristles are not listed among the articles imported or exported, and brushes are not manufactured in Siam, the supply in former years coming largely from Japan and the United Kingdom. However, certain American makes have recently become so popular that supplies are not always equal to the demand.

**Copper Discovery in Dutch East Indies.**

The discovery of rich copper deposits in the southern part of the island of Timor, Dutch East Indies, is reported in Eastern Engineering. The copper ore is described as worth from $100 to $160 a ton, and is reputed to be the richest copper ore in the world. It is said that no local labor is available to work the mine, as the natives are not active, and have even to be forced to plant their fields in order to have enough to live on.

**New Trust Company Formed in Japan.**

The organization by financiers of Tokyo, Yokohama, Osaka, and Kobe of the International Trust Co. was announced in the Japan Advertiser. This company, which is capitalized at 50,000,000 yen, will transact ordinary trust business at first in the domestic market, and later extend its activities to foreign business centers, as an international financial institution.

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An English railroad has built the heaviest single leaf rolling bascule bridge in the world, the leaf being 160 1-2 feet long and with its counterweights weighing 6,325,000 pounds.

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## TO USE SAGEBRUSH

EL CENTRO.—Millions of dollars from sagebrush is the hope of J. C. Powers of Phoenix, Ariz., who is making a survey of the sagebrush area of the southwest. Mr. Powers has traveled over Arizona, New Mexico, Utah, Nevada and part of southern California, estimating approximately the average tonnage per acre and its distance from market centers. He has placed his proposals before the United States government, the universities of Nevada and Utah, and has the stamp of approval of Thomas A. Edison, and now seeks financial backing to erect plants and open operations. Sagebrush is composed of cresote, distillate, ascetic acid, alchohol, tannin oil, ammonia and the residue of charcoal, according to thorough tests made by distillation and charring,will furnish its own fuel for operating, is practically inexhaustible, and immense profits can be taken by modern plants and efficient operation, according to Mr. Powers' investigations. He proposes to establish distillation ovens in cities accessible to the sagebruh areas, capable of handling 14,000 tons annually each.

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## POURING CEMENT ON SUTTER COUNTY ROAD

YUBA CITY, Cal.—County Engineer Edward Von Geldern has announced that within a week the pouring of cement will begin on the Yuba City-Oswald section of the Yuba City-Nicolaus system of the county highway system, covering a distance of four miles. This is known as contract No. 1, and includes a stretch of three-quarters of a mile through the peach belt near Oswald, for which the rights of way must be purchased.

The supervisors have ordered Von Geldern to have ready by May 22 the plans and specifications on contract No. 2, which will cover the highway to be built from Oswald to the O'Ranion Corners road. On that date County Clerk Brown will be authorized to advertise for bids on this stretch of four miles.

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## RAILROAD PRESIDENTS NEEDED.

There is a scarcity of future railroad presidents according to T. Ahern, Superintendent of the Coast Division of the Southern Pacific with headquarters at San Francisco.

The "Who's Who" of American roads indicates that seventy-five per cent of present railroad presidents began as station agents and telegraph operators. At present the Southern Pacific is short of both classes of help on its Coast Division and has hit upon the plan of starting a school for Future presidents at which youths over eighteen will be eligible to attend.

"If any young man really wants to learn the railroad game," said Supt. Ahern, "here's his chance. We'll teach him the business and pay him $87.50 a month while he is studying, advancing him as fast as he qualifies for higher positions.'

Ahern's office is at Third Street Station, San Francisco.

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## CHICO CONSTRUCTION COMPANY ENJOINED.

OROVILLE, Cal.—On the complaint of Attorney J. M. McGee, who alleged the defendants were trespassing on his property in connection with preparations for working on a street paving contract, Judge Gregory has issued a temporary injunction, restraining the Chico Construction company from entering upon the land of the plaintiff.

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## SANTA CLARA COUNTY SURVEYORS FORM ASSOCIATION.

SAN JOSE, Cal.—Surveyors of Santa Clara county have formed what will be known as the Santa Clara County Association of Surveyors and Civil Engineers. Henry G. Fisher was named president and Frank Herrmann secretary-treasurer. Hermann, George F. Wakefield and J. G. McMillian were named as a committee to draw up a constitution and by-laws for the organization. City Engineer Clarence B. Goodwin and County Surveyor Irving L. Ryder were among those present at the formation of the organization.

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## ADVERTISING AMERICAN GOODS BY MOTION PICTURE IN NICARAGUA.

The owner of a motion-picture theater in Nicaragua writes that American concerns desiring to advertise their products by film projections in that country can have the service free of charge. He says that the films will be properly cared for and returned at the expiration of three months. The name of the motion-picture concern can be obtained from the Bureau of Foreign and Domestic Commerce or its district or cooperative offices by referring to File No. 10023.

## STANDARDIZATION OF METRIC SYSTEM BY U. S. ACT URGED.

### World Conference Favors Federal Law Abolishing Old Measure.

Resolutions requesting Congress to enact legislation for the gradual adoption of the metric system of weights and measures as the exclusive legal standard of the United States were adopted at a recent meeting of the World Metric Standardization Conference at the Palace Hotel.

The resolutions provided that such legislation should give suitable protection to American manufacturers who might sustain a loss by a change from existing standards in order that there should be "benefit to all and injury to none."

John J. Arnold, superintendent of the international business department of the Bank of Italy, presided and introduced the speakers, who were representative of various professions and branches of industry.

## RECENT DEVELOPMENTS IN JAPAN FINANCIAL SITUATION.

[Prepared by Far Eastern Division, Bureau of Foreign and Domestic Commerce.]

Cables from Tokyo, Japan, indicate that the financial situation is more hopeful. It now seems probable that Japanese deposits abroad will not have to be withdrawn, as they have ample funds with which to avert any serious disturbances. The Japanese banking syndicate have arranged to take stock certificates from those concerns who are in need of money advances and to hold such certificates indefinitely to prevent them from being used as security for merchants or being dumped on the stock market. A great many such certificates coming in from the outlying districts have already been taken care of in this way. The stock exchange at Toyko remains closed pending the establishment of a basic price for the principal securities. The main effort at the present moment is to stabilize the staple interests and 30,000,000 yen has been advanced to the sugar interest and other advances being planned for this week. It is estimated that about 10,000,000 yen will be used in Osaka for this purpose and about 20,000,000 yen in Tokyo.

As a result of these steps speculators have been very hard hit as well as one or two of the less firmly established industries. Employees of the match factories have accepted a wage cut rather than to consent to being laid off and there are 5,000 textile workers idle. Other industries will probably be affected in the same way and a general wage reduction is looked forward to. As a result domestic consumption will be curtailed, and with the steady decrease in exports, indicating the falling demand from abroad for Japanese products, very much lower prices are to be expected. Wholesale cancellations of high-priced orders are feared by Toyko merchans. In short, business is not reviving and the general opinion in banking circles is that exchange is not likely to remain at its present high level. As a result of the general slump the banks are not pressed for money.

## MUCH BUILDING GOING ON IN MIDDLE WEST.

NEW YORK. A decided spurt in the awarding of contracts for homes in the territory north of the Ohio and east of the Missouri rivers during April was announced here by F. W. Dodge company, construction statisticians. Residential buildings aggregated 31 per cent of the total, whereas during the first three months of the year it represented only 19 per cent.

The amount ot be expended for homes in this region as announced during April was $103,743,000.

## CONTRACT AWARDED FOR ALAMEDA SUB-STATION

ALAMEDA, Cal.—The following bids were received May 18th, by the City Electrician of Alameda, J. B. Kahn, for the construction of a one-story reinforced concrete sub-station building at Webster and Atlantic Avenue, Alameda.

| | |
|---|---|
| Palmer and Peterson | $29,900 |
| Alfred Olsen | 30,974 |
| B. J. Lechner | 32,900 |
| C. Christensen and Son | 33,412 |
| Schnebly and Hostrawser | 34,213 |

The contract was awarded to Palmer and Peterson, Monadnock Building, San Francisco.

## FIXED FEE FOR PUBLIC WORK.

Fairest Form for Both Government and Contractor—A letter addressed to C. T. Chenery, Secretary, National Public Works Department Association, Washington, D. C., by H. L. Wells, Vice President Wells Brothers Construction Co., Chicago.

In answer to your request concerning government contract, specifications, methods and interpretations we would like to recommend the general adoption of the fixed-fee contract.

The government should get its construction done at the least possible cost and contractors should not be subject to financial risk in the execution of Federal contracts. We believe the lump-sum contract meets neither of these needs and that the fixed-fee contract will bring them about just as surely on government work as on private work.

During the war construction was of necessity handled upon the cost-plus basis; however, the fee was not fixed, but sliding. The significant advantage of fixing the fee in advance has been clearly demonstrated in our work with private concerns; and we believe that cost-plus combined with fixed-fee, determined in advance, with or without the bonus and penalty feature, is entirely adaptable to government construction and fairest both to the government and the contractor. For this relationship brings about what should be the desire of the government, namely a professional service on the part of the builder by which he erects the structure at the lowest possible cost and asks anly a reasonable and fair fee for that service.

On the lump-sum contract basis the builder and owner are working at cross purposes, the builder constructing specifications leniently in behalf of his profit while the owner construes them harshly in order to get the most for his money. This is not an ideal relationship. In private work we have proved, both to ourselves and our clients, that the fixed-fee contract constitutes the builder as the owner's building manager, an ideal relationship as to cost, quality and time of delivery.

### Essential Clauses.

In the Fixed-Fee Contract there must be a preliminary estimate which may be based on the government's estimate of quantities. The fixed fee should be a definite sum, determined as a percentage of the estimate cost and we may or may not include bonus and penalty clauses. This fixed fee necessitates a cost-plus basis, but the significance of the contract lies not in the cost-plus feature, but in the fixing of the fee.

In addition there must be the discharge clause on Government work through the operation of which the Government will be at liberty to take over the work or give it to another contractor in case the original contractor fails to prosecute the work in accordance with the plans and specifications. This clause would not work hardship to any contractor of integrity and ability unless the Federal inspectors were entirely unreasonable, in which case arbitration might be invoked. The dishonest or inefficient builder would, however, be eliminated either fearing to take such a contract or through the working of the clause after he had demonstrated his inability.

A further essential is that the contract shall call for such system of cost-accounting at the job as will clearly show at all times the progress of costs to compare with the progress of work.

The government can hardly let work without competition that is preferable in private work. It is possible to let fixed-fee contract in competition, the base of choice being the amount of the preliminary estimate of cost, the amount of the fee and the general past record as to integrity and demonstrated ability.

## MARYLAND PROTECTS CONTRACTORS.

Reducing risks on highway construction has been the subject of communication between the Associated General Contractors of America and highway officials of the states. Replies from forty states to our recent letters urging the insertion of a clause in their contracts protecting contractors against increase in freight rates, showed that eighteen states had adopted or promised to adopt the clause and thirteen have the matter under consideration. A letter from Mr. John N. Machall, Chief Engineer, Maryland State Roads Commission, just received states that Maryland has also included the provision in highway contracts the following clause having been added:

"The bidder in naming his price for items requiring transportation of materials on common carriers, will base it on the prevailing rate of freight at the date of the opening of the bids. Should there be an increase in freight rates, the contractor will be allowed compensation for such increase."

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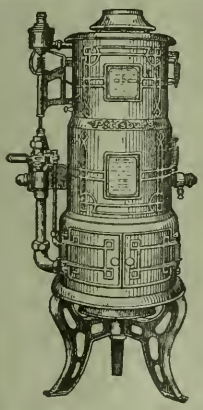

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TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

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# EDITORIAL

L. A. LARSEN, Publisher.
J. P. FARRELL, Managing Editor.

## LICENSING CONTRACTORS.

### Court Refuses to Uphold City Regulation In Wyoming.

There have been numerous attempts to secure legislation requiring that all builders and contractors be licensed, and in some states it has succeeded. It would be interesting to learn if it operates beneficially. Many contractors believe such legislation to be a mistake, for the reason that the license implies a certain guarantee, which the reputable builder doesn't need, but which shields the irresponsible. Following is the first court decision noted on the subject of licensing contractors:

**Licensing of Cement Contractor.**

State ex rel. Sampson v. City of Sheridan et al., Supreme Court of Wyoming (Jan. 21, 1918), 170 Pacific Reporter, page 1.—The State of Wyoming, on the relation of C. W. Sampson, sued in mandamus to compel the city of Sheridan and its officers to issue to Sampson a cement contractor's license. Sheridan is a city of the first class, having a commission form of government. Under the authority of the State laws relating to the subject of licenses, as was claimed, an ordinance had been enacted by the city for the licensing of cement contractors, requiring the payment of a fee of $15, and the giving of a bond for $1,000 that the work done would remain in good condition for five years after its completion. The relator showed that he had been engaged in the business for 10 years, and that all the work he had done had been first class; that he had complied with all the requirements except the filing of the bond, which he was unable to procure from a surety company because he could not make a sufficient showing of his financial standing in the absence of the possession of real estate or a substantial bank account. The court found only one case involving a requirement of a bond guaranteeing the durability of the work done, Gray v. Omaha, 80 Neb. 526, 114 N. W. 600. The court, speaking through Judge Blydenburg, held the ordinance invalid for reasons which are fully discussed after stating the principles applicable to the exercise of the police power, but which are also given in brief form in the following language:

**License Act Held Illegal.**

Viewing the ordinance in question in the light of the above principles, we are constrained to hold that it is unconstitutional and void because: First, the vocation of cement contractor is not a proper subject of police regulation not affecting either the health, morals, safety, or welfare of the public generally so as to be a necessary subject of regulation; second, no express power to regulate this vocation is conferred upon the city, and none can necessarily be implied from the powers granted; third, were the power given, the regulations required are unreasonable, especially in requiring a maintenance bond to run five years; fourth, the ordinance is discriminatory and class legislation in that it requires a fee and bond from one laying concrete or cement sidewalks and requires neither from those laying sidewalks composed of asphalt, granite, vitrified brick or any other hard and incombustible material.

## POLK ACCUSES TAX COLLECTOR.

Charges by Willis Polk, the architect, that M. J. Antonius, deputy collector of internal revenue, had returned to him his 1918 income tax statement with the comment that he did not have to pay the tax as there was no record of it at the internal revenue office here, were made recently. Polk filed written complaint of the matter with Collector Wardell and Ferdinand Reis of the Federal Grand Jury.

The architect alleges that his return for 1918, amounting to approximately $500, has not yet been paid because the internal revenue office here has failed to render him an accurate account of what he owes.

"Antonius called on me to express his personal thanks for a Christmas present," Polk wrote, "and at the same time handed me my return for my 1918 income tax."

"He said that all I had to do was to destroy this return and throw it in the waste basket as there was no record of it in the collector's office," he continued, "and when I said, 'Why, Mr. Antonius, I want to pay it,' he repiled, 'O, you have paid enough; why, lots of people are evading their taxes.'"

An investigation of Polk's charges will be made by the internal revenue officials here, Col. John L. Flynn, chief deputy in charge in the absence of Collector Wardell, recently announced.

"We will not stand for Antonius being in the internal revenue service for one minute if Polk's allegations are true," said Colonel Flynn.

In his letter Polk said he is prepared to appear before the Federal Grand Jury and make a deposition of the facts.

Antonius was on duty at San Jose at the time the income tax return is alleged to have been given back to Polk, but he now is attached to the Fresno office.

## SHORTAGE OF MATERIALS HINDERS STANDARD OIL IMPROVEMENTS.

Under date of May 22nd the Richmond Record-Herald publishes the following:

"Last night the Foundation Company, the concern that is doing the work of enlarging the capacity of the Standard oil plant, closed down and about 500 men were notified not to show up for work this morning.

"Just when the work will start up again is not known, nor could any information be secured.

"From sources that are considered reliable the statement was made today that the shutdown was caused by the inability of the Foundation Company to secure the necessary materials, on account of the freight congestion that exists with the railroads in all parts of the country.

"Just as soon as the company is assured that material will be delivered regularly, so that the work can proceed without interruption, it is believed that the improvement work will be resumed."

## PRIZES AWARDED FOR STOCKTON PARK PLANS.

STOCKTON, San Joaquin Co., Cal.—The County Supervisors have accepted the drawings of Wright and Satterlee of Stockton for San Joaquin County's $1,000,000 fair ground project.

The recommendations of the Advisory Committee were adopted as follows:

First prize, Wright & Satterlee of Stockton.

Second prize, Losekann & Clowdsley of Stockton.

Third prize, Cotton & Company, George M. Cantrell and Albert B. Strotthoff of San Francisco.

Fourth prize, H. Y. Davis (W. F. Mellin, assistant), of Stockton.

Others who submitted plans but who were not mentioned in the report were: Victor G. Anderson of Berkeley. H. Y. Davis (E. G. Ernst, assistant) of Stockton and C. Swain (W. F. Mellin, assistant) of Stockton.

The winner will receive compensation through regular architect fees for preparing permanent plans for the various units of the scheme. Second prize brings $300, third prize $200 and fourth prize $100.

# ADVANCE NEWS
## Official Proposals, Etc.

# Building.

## APARTMENT HOUSES.

Segregated Figures Being Taken.
ALTERATIONS Cost, $8,000
SAN FRANCISCO. Lake Street.
Alter two-story frame residence into 4 3-room apartments.
Owner—Withheld.
Architects—Fabre & Thayer, 110 Sutter St., San Francisco.

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Sub-Figures Being Taken. Contract Awarded.
APARTMENTS Cost, $45,721
SAN FRANCISCO. N Bush Street 112 W Jones, 25x100.
Three-story and basement reinforced concrete apartments (6 3 and 4-room apts.)
Owner—E. W. Beardsley, 835 Hyde St., San Francisco.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

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Completing Plans.
APARTMENTS Cost, $110,000
OAKLAND. Alameda Co., Cal. Near Lake Merritt.
One and two-story frame and stucco apartment house (40 2 to 5 room apts.)
Owner—Colonial Court Apartments.
Architect—Clay N. Burrell, 1st Trust Bldg., Oakland.

---

Figures to be Taken Shortly.
APARTMENTS Cost, $50,000
LONG BEACH, Los Angeles Co., Cal. Third Street and Cedar Avenue.
Four-story brick apartment house.
Owner—Miss May Foster and Mrs. Ruth Carter.
Architect—F. L. Lindsay, 223 E-Broadway, Long Beach.

---

Contract Awarded.
FLAT BUILDING Cost, $70,000
LOS ANGELES, Cal. Franklin Avenue W of Orchid Avenue.
Two-story frame and plaster duplex flat building, 81x92.
Owner—L. H. Baldwin, 3628 Arlington Ave., Los Angeles.
Architect and Contractor—The Milwaukee Bldg., Co., 315 Wright & Callender Bldg., Los Angeles.

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Sub-Figures Being Taken.—To be Done by Day's Work.
FLATS Cost, $13,000
SAN FRANCISCO. SW Anza and 17th Avenue.
Two-story and basement frame (4) flats.
Owner—Geo. A. Laundin.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.

Sub-Figures Being Taken.
APARTMENTS Cost, $40,000
SAN FRANCISCO. N California 75 W Gough Street.
Three-story and basement frame and plaster apartment house (6 and 7 room apts. with 3 bathrooms each.)
Owner—California Investment Co., 593 Market St., San Francisco.
Architect—E. J. Osborn, 821 Phelan Bldg., San Francisco.

---

Plans being prepared. To be done by day's work.
FLATS Cost, $15,000
SAN FRANCISCO, Cherry St. near Washington.
Two-story frame and plaster flats (2 6-room with basement garage).
Owner—C. W. Higgins, 1306 Shrader,
Architect—E. E. Young, 251 Kearny St., San Francisco.

---

Plans Being Figured.
APARTMENTS Cost, $——
SAN FRANCISCO. Van Ness Avenue near Union Street.
Three-story frame apartments (12 3-room apts.)
Owner—Withheld.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.

---

APARTMENTS Cost, $——
HOLLISTER, San Benito Co., Cal. Fifth and East Streets, 53x140.
Two-story concrete apartment house (6 apts. and garage).
Owner—Grant Stewart, Capitol and Alisal Sts., Salinas.
Architect—Not Given.
Mr. Stewart is a contractor and will carry on the construction by day's labor.

---

Contract Awarded.
STORE & APARTMENTS Cost, $——
SAN JOSE, Santa Clara Co., Cal. San Antonio Street.
Two-story reinforced concrete store and apartments.
Owner—T. S. Montgomery & Son.
Architects—Binder & Curtis, Binder Bldg., San Jose.
Contractor—Z. O. Field, 167 S-14th St., San Jose.

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Plans Being Prepared.
APARTMENTS, ETC. Cost, $50,000
FRESNO, Fresno Co., Cal. F Street between Tulare and Kern Streets.
Three-story brick store and apartments.
Owner—Lou Wah and Seid Pak Sing.
Architects—Glass & Butner, Cory Bldg. Fresno.

## BANKS.

Plans Being Prepared.
BANK Cost, $——
LOS ANGELES. NE Eighth and Hill Streets.
Six-story Class "A" reinforced concrete bank and office building, 110x116.
Owner—Union Bank & Trust Co., 740 S-Broadway, Los Angeles.
Architects—Wm. Curlett & Son, 525 Merchants National Bank Bldg., Los Angeles.

---

Plumbing bids wanted—Contract awarded for concrete work.
BANK BLDG. Cost, $70,000
RICHMOND, Contra Costa Co., Cal., 9th and Macdonald Avenue.
One-story reinforced concrete and terra cotta bank building.
Owner—Mechanics Bank, 8th and Macdonald Ave., Richmond.
Architect—Jas. T. Narbett, 906 Macdonald Ave., Richmond.
Carl Overaa, 731 Bissell, Richmond has been awarded the contract for the concrete work at $14,880. Other bids received were:
—— Peterson, San Francisco...$16,880
P. Sanford, Richmond..... 18,850
M. Morton, Oakland..... 20,770
—— Neilson, San Francisco.... 26,621

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Contract Awarded.
BANK BLDG. Cost, $350,000
SAN FRANCISCO. W Montgomery St. N of Post, adj. First National Bank Building.
Two and three-story and basement Class "A" bank and office building.
Owner—First Federal Trust Co. and First National Bank.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractors—Grace & Bernieri, 703 Market St., San Francisco.

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Figures Being Taken for Concrete and Brick Work.
BANK AND OFFICE BLDG. Cost, $——
SAN FRANCISCO. NW Powell and Eddy Streets.
Five-story and basement Class "A" bank and office building.
Owner—Bank of Italy.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.

---

Plans Being Figured.
ALTERATIONS Cost, $20,000
OROVILE, Butte Co., Cal.
Remodel interior of bank.
Owner—First National Bank of Oroville
Architect—W. H. Weeks, 75 Post St., San Francisco.

## CHURCHES.

Figures to be Taken End of This Week.
CHURCH Cost, $40,000
STOCKTON, San Joaquin Co., Cal. Lindsay and American Sts.
Brick Church (500 seats).
Owner—Zion Lutheran Church (Rev. Geo. C. Jacobsen, Pastor).
Architect—Ward & Blohme, 454 California St., San Francisco.
NOTE:—Figures will be taken for a general contract.

Contract Awarded.
CHURCH Cost, $23,205
OAKLAND, Alameda Co., Cal. SE 10th and Brush Streets.
One-story reinforced concrete church.
Owner—Hellenic Community of Oakland and Vicinity.
Architect—Clay N. Burrell, 1st Svgs. Bank Bldg., Oakland.
Contractor—Palmer & Petersen, Monadnock Bldg., San Francisco.

Plans Awaiting Approval.
CHURCH Cost, $40,000
CLOVIS, Fresno Co., Cal.
Fireproof church building.
Owner—Grace Memorial Church, Clovis, Cal.
Architects—Coates & Traver, Rowell Bldg., Fresno.
NOTE:—Construction will probably be handled by Contractor M. C. R. Nelson of Fresno.

## FACTORIES & WAREHOUSES.

To be Done By Day's Labor. Materials Being Purchased.
MILL Cost, $1,000,000
STOCKTON, San Joaquin Co., Cal. Church Street bet. McDougall and Stockton Streets.
Two-story concrete, brick and wood mill, 180x666 (addition to present plant).
Owner—National Paper Products Co., Premises.
Architect—Architectural Department of Owner.
NOTE:—The first unit to be known as the waste paper shed, stock and beater rooms will be erected immediately and will cost approximately $100,000. Construction on the remaining unit will follow shortly.

Ready for Figures About June 1st.
ADMINISTRATION BLDG. Cost, $80,000.
SAN FRANCISCO. SE Bay and Powell Streets, 97x160.
Three-story reinforced concrete administration building, 60x125, surrounded with lawns and flowers.
Owner—Simmons Co., 180 Bay St., San Francisco.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
NOTE:—Figures will be taken for a general contract.

Contract Awarded.
PIPE SHED Cost, $13,595
TURLOCK, Stanislaus Co., Cal. Delhi Land Colony.
One-story frame pipe shed, 300x135.
Owner—State Land Settlement Board.
Farmstead Engineer—Max E. Cook, Delhi Colony, Turlock, Cal.
Contractor—Wakefield & Peterson, Turlock, Cal.

To be Done by Day's Work.
MFG. BLDG. Cost, $21,000
SAN FRANCISCO. W Seventh Street 25 N Natoma Street.
One-story and basement concrete manufacturing building.
Owner—O. H. Curtaz, 519 Hayes St., San Francisco.
Architect—Owner.

LOS ANGELES, Cal.—Gordon LaBarr, 500 Stimson Bldg., has prepared plans and desires bids on sub-contracts for the erection of a group of factory buildings on Santa Fe avenue between Fifteenth and Sixteenth streets, for the Oil Mining Equipment Co. The main building will be 80x547 ft., with concrete foundation, brick walls, pressed brick front, plate glass windows, composition roofing, metal skylights, wood roof trusses, fire doors, cement floor. There will be a wing, 60x150 ft., of similar construction. The other buildings will include a frame and galvanized iron shed, 20x200 ft., brick boiler house, 16x16 ft., and frame and galvanized iron shavings tank, 20x20 ft.

ONTARIO, San Bernardino Co., Cal.—A building program involving $250,000 for the Hot Point factory at Ontario has been approved by the Edison Electric Appliance Co., according to E. H. Richardson, head of the plant in Ontario. All the corrugated iron buildings will be replaced with concrete and a number of new buildings will be erected. About $100,000 will be spent this year.

Plans Prepared—Awaiting Approval.
WAREHOUSE Cost, $20,000
OAKDALE, Stanislaus Co., Cal.
Almond warehouse.
Owner—Oakdale Almond Growers' Association, Oakdale, Cal.
Architect—Not Given.

Plans to be prepared.
MILL COST, $250,000
FRESNO, Fresno Co., Cal. G and Mariposa Sts.
Reinforced concrete mill.
Owner—Albers Bros. Milling Co., 332 Pine St., San Francisco.
Architect—Not selected.
NOTE—Construction will not be started for several months.

## FIREHOUSES AND JAILS.

LONG BEACH, Los Angeles Co., Cal.—Architect Natt Piper, 12 Locust Ave., Long Beach, has completed plans for two fire stations to be erected under the $75,000 bond issue voted last winter. The harbor station will be two stories, of brick, the main portion 40x70 ft., with one-story machine shop wing, 50x100 ft. When the station is completed a fire boat will be built. The Zaferia station will be two stories, 50x70 ft., of brick. As soon as plans have been approved by the chief of the fire department they will be turned over to the city commission to take bids.

## GARAGES.

Plans Being Prepared.
GARAGE Cost, $50,000
COALINGA, Fresno Co., Cal. E Street.
Two-story reinforced concrete garage and sales room.
Owner—Prough Bros., Coalinga, Cal.
Architect—Not Given.

To be Done by Day's Work. Excavation Strated.
GARAGE Cost, $36,000
PORTLAND, Ore. East 11th and Burnside Streets.
Two-story brick and concrete garage, 100 by 100 feet.
Owner—Mr. Williamson of Portland.
Lessee—Commercial Motor Car Co.
Architect—Not Given.

Completing Plans. Contract Awarded.
DEPOT & GARAGE Cost, $35,000
OAKLAND, Alameda Co. 14th St. Bet. Franklin and Webster (Key lot, 50 feet on 14th and 36 ft. on Webster).
Two-story Class "A" R. C. auto-stage depot and garage, 50x136x36.
Owner—Emil Schulze.
Lessee—Western Motor Transportation Co., 425 19th St., Oakland.
Designer and Contractor—Karl Koller, Crockett.

Contractor Taking Sub-Figures.
GARAGE Cost, $9,000
CROCKETT, Contra Costa Co., Cal.
One-story reinforced concrete garage.
Owner—A. Bowrelio, Crockett.
Architect—None.
Contractor—Karl S. Koller, Crockett, Cal. and Federal Bldg., Oakland.

Plans Being Figured.
GARAGE Cost, $——
SAN FRANCISCO. NW Hyde and Russell Streets.
Three-story and basement Class "B" garage.
Owner—Micheletti Estate.
Lessee—Ruben Hoyle.
Supervising Architect—August G. Headman, Call Bldg., San Francisco
NOTE:—Figures are being taken for a general contract.

Contract Awarded.
GARAGE AND WAREHOUSE Cost, $55,000.
SALEM, Oregon.
Two-story reinforced concrete garage and tractor warehouse, 84x149.
Owner—Vick Bros.
Architect—W. C. Knighton, Salem.
Contractor—C. Von Patton Co., Salem.

Contract Awarded.
GARAGE Cost, $63,000 approximately.
SAN FRANCISCO. S Geary 137-6 E Larkin Street.
Two-story reinforced concrete garage.
Owner—A. C. Kuhn.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.
Contractor—Unit Construction Co., Phelan Bldg., San Francisco.

## HALLS & SOCIETY BUILDINGS

Plans Being Figured.
CLUB HOUSE Cost, $30,000
WOODLAND, Yolo Co., Cal.
First unit of club house and swimming pool.
Owner—Yolo Fliers Club (Arthur C. Huston, President).
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans being prepared.
ALTERATIONS Cost, $3000
BERKELEY, Bancroft Way and Shattuck Ave.
Alter hall into lodge room.
Owner—Berkeley Masonic Temple Assn.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.

Plans to be Prepared.
ALTERATIONS Cost, $25,000 to $40,000.
OAKLAND, Alameda Co., Cal. NE 12th and Clay Streets.
Alter three-story brick building for lodge.

Owner—Oakland Lodge of Moose, Premises.
Architect—Not Selected.
A swimming pool, gymnasium, handball courts, a big dining room, clubrooms and lodgerooms will be among the features of the permanent home.

RENO, Nevada.—Articles of incorporation have been filed with County Clerk Beemer by the Knights of Columbus Building Corporation which plans the erection of a $250,000 lodge building in Reno. Directors are: Wm. Martin, Peter Lawless and John E. Horgan, all of Reno.
Attorney Otto Kuklinski of Reno filed the articles of incorporation.

Figures to be Taken Next Week.
ALTERATIONS Cost, $25,000
CHICO, Butte Co., Cal.
Extensive alterations to lodge building.
Owner—Masonic Temple Association.
Architects—Woollett & Lamb, Physicians' Bldg., Sacramento.
NOTE—The work will include carpentry, masonry, electric, marble and tile work, plastering, re-decorating, etc.

PORTERVILLE, Tulare Co., Cal.—The Elks' Lodge of this city is planning the construction of a $100,000 lodge and store building. A building association will be formed to finance construction of the building.

Preliminary Plans Complete.
CLUB HOUSE Cost, $100,000
PORTERVILLE, Tulare Co., Cal.
Two-story and basement brick club house, 110x88.
Owner—Elks Lodge of Porterville.
Architects—R. P. Renfro and W. D. Lee, Porterville.

Plans being figured.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. Valencia and McCoppin Streets (Knights of Phythias Building).
Alter four-story brick and steel building.
Owner—Salvation Army.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
The Salvation Army recently purchased the above property and when alterations are completed, it will be used for the headquarters and training school.

## HOSPITALS.

Plans Being Prepared.
NURSES' HOME Cost, $——
SAN FRANCISCO. Cor. Clay and Webster Streets.
Reinforced concrete nurses' home for Lane's Hospital.
Owner—Board of Trustees of Leland Stanford Jr. University.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.

## HOTELS.

Plans Complete.
HOTEL Cost, $230,000
GERHART BEACH, Oregon.
Three-story frame hotel (135 rooms).
Owner—A Corporation Headed by J. C. Ainsworth, J. L. Meier and J. R. Bowles.
Architect—Morris H. Whitehouse, Railway Exchange Bldg., Portland.

Plans Being Prepared.
ADDITIONS, ETC. Cost, $40,000
TURLOCK, Stanislaus Co., Cal.
Repairs and additions to three-story hotel.
Owner—C. Emerzlan, Carlton Hotel, Turlock, Cal.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

## POWER PLANTS.

Contract Awarded.
TELEPHONE LINE Cost, $1,078
TURLOCK, Stanislaus Co., Cal. Delhi Colony.
Construction of telephone line from Delhi to Turlock.
Owner—State Land Settlement Board.
Farmstead Engineer—Max E. Cook, Delhi Colony, Turlock, Cal.
Contractor—H. M. Kalb, San Francisco
The only other bidder was H. G. Jackson of Turlock at $1,105.

## PUBLIC BUILDINGS.

Preliminary plans prepared.
ALTERATIONS Cost, $360,000
FRESNO, Fresno Co.
Alter and enlarge courthouse.
Owner—County of Fresno. D. M. Barnell, County Clerk, Fresno, Cal.
Architect—Eugene Mathewson, Cory Bldg., Fresno, Cal.

Bids Opened and Taken Under Advisement.
AUDITORIUM Cost, $30,000
LINCOLN, Placer Co., Cal.
Hollow tile civic auditorium (one-story with balcony).
Owner—Town of Lincoln.
Architect—Wm. H. Weeks, 75 Post St., San Francisco.
The following bids were received May 25th and taken under advisement:
**W. R. Campbell**, 3521 J St., Sacramento, (1) $29,950; (2) $29,450; (3) $1,100 deduct.
**Wm. Kenting**, Sacramento (1) $31,450; (2) $31,050; (3) $1,000 deduct.
**Herndon & Finnigan**, Sacramento (1) $33,988; (2) $34,936; (3) $1,443 deduct.

LOS ANGELES, Cal.—The K. R. Bradley Construction Co., 1925 E. 16th street, submitted the lowest bid at $148,986 on general contract for the erection of a new grade school on Coronel school site, E. 7th and Mateo streets, in accordance with plans and specifications prepared by Architects Allison & Allison, 1405 Hibernian Bldg. W. W. Brooks, 820 W. 48th street, submitted the lowest bid at $14,500 for the plumbing, and the Thomas Haverty Co., Eighth street and Maple avenue, the lowest bid at $13,850 for the heating. All bids were referred to the business manager for consideration and report.

FRESNO, Fresno Co., Cal.—Bids will be received by D. M. Barnwell, County Clerk, up to June 11th, 2 P. M., for tile work to be done at the county hospital. Certified check of 10% payable to Chairman of the Board of Supervisors required.

## RESIDENCES.

Contract Awarded on a Percentage Basis.
RESIDENCE Cost, $——
LOS ANGELES. Oak Knoll.
Two-story hollow tile residence (16 rooms and 4 bathrooms), also a two-story garage with living apartments.
Owner—Noel Arnold.
Architect—A. B. Benton, 1548 Sunset Blvd., Los Angeles.
Contractor—H. E. Tabor, 270 Oak Knoll Ave., Pasadena.

Plans Being Prepared.
RESIDENCE Cost, $16,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame and plaster residence (9 rooms).
Owner—Theo. Roche, Humboldt Bank Bldg., San Francisco.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Plans Being Prepared. Ready for Figures in Ten Days.
RESIDENCE Cost, $30,000
CARMEL, Monterey Co., Cal.
One and two-story frame and plaster residence, 12 rooms, (There will also be a garage, outhouses and a landscape garden).
Owner—Miss Margaret Stewart.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Plans Being Figured.
RESIDENCE
Cost, $15,000 approximately.
WATSONVILLE, Santa Cruz Co., Cal.
Two-story frame and plaster residence (9 or 10 rooms).
Owner—E. L. Cikuth, Watsonville.
Architects—Wyckoff & White, 328½ Main St., Salinas.

Plans Being Prepared.
RESIDENCE Cost, $25,000
FRESNO, Fresno Co., Cal. Forkner Fig Gardens.
Hollow tile Colonial style residence.
Owner—W. J. Simpson.
Architects—Coates & Traver, Rowell Bldg., Fresno.

Contract Awarded
RESIDENCE Cost, $134,536
PASADENA, Los Angeles Co., Cal. No. 455 Bradford Street.
Two-story hollow tile residence (17 rooms and 8 bathrooms.)
Owner—J. E. Tilt of Chicago.
Architects—Marston & Van Pelt, Chamber of Commerce Bldg., Pasadena.
Contractor—W. A. Taylor, 966 Elizabeth St., Pasadena.
This contract does not include the foundation and garage which Mr. Taylor has under a separate contract and the plumbing, electric wiring, painting, electric fixtures and decorating for which contracts have not yet been let.

Segregated figures to be taken next week.
RESIDENCE Cost, $25,000
LOS GATOS, Santa Clara Co., Cal.
Two-story frame and plaster country residence (10 rooms and two-story garage with living apts).
Owner—Samuel Rucker, 677 Mission St., San Francisco.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.

Plans Being Revised.
RESIDENCE Cost, $12,000
SAN FRANCISCO, St. Francis Wood.
Two-story frame residence (7 rooms).
Owner—Clyde N. Beal, London Paris National Bk. Bldg., San Francisco.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Figures to be Taken This Week.
RESIDENCE Cost, $15,000
STOCKTON, San Joaquin Co., Cal.
Two-story frame and stucco residence (9 rooms).
Owner—Mr. C. A. Bachelder, President Holt Bros. Co., 914-24 Folsom St., San Francisco.
Architect—Wm. C. Milwain, Albany Bldg., Oakland.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $15,000
SAN FRANCISCO, Forest Hill.
Two-story frame, plaster and brick veneer residence (10 rooms).
Owner—Withheld.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.
Plans will be ready for figures in about two weeks.

Plans being figured.
COTTAGES Cost, $——
SAN FRANCISCO, Ocean Ave. bounded by Faxon and Ashton Aves., etc.
Nine frame cottages (1st unit).
Owner—Pacific Hebrew Orphan Asylum and Home Society, San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
NOTE:—Figures are being taken for a general contract.
Plans for the administration and other buildings will be ready for figures in two or three weeks.

HONOLULU, H. I.—Architects Dickey & Wood of Honolulu are busy preparing plans for the following frame residences to be erected in the Hawaiian Islands:

| | |
|---|---|
| C. H. Etherton | $40,000 |
| Clarence Olsen | 20,000 |
| A. H. Rice | 20,000 |
| Mr. Bogardis | 20,000 |
| W. O. Aiken | 20,000 |

Owner Taking Sub-Figures.
DWELLINGS Cost, $10,000 each
SEATTLE, Wash. Queen Ann District.
Eight two-story and basement frame dwellings (6 to 10 rooms).
Owner—Matheson Bros. and Newcomb, Lyon Bldg., Seattle.
Architect—Not Given.

## SCHOOLS.

SANTA CLARA, Santa Clara Co., Cal.—Steps to call a $200,000 bond election to finance construction of a $175,000 high school and improve the present buildings are being taken.
A. W. Ray is Principal of the grammar school.

FAIRFIELD, Solano Co., Cal.—Bids will be received up to April 14th by the County Supervisors for the purchase of the $500,000 bond issue to finance construction of school buildings in Vallejo, plans for which are being prepared by Architect W. H. Weeks, 75 Post street, San Francisco and Perry & Clark of Vallejo.

SANTA MARIA, San Luis Obispo Co., Cal.—Bonds of $40,000 were voted recently to finance construction of an addition to the Main Street School and the erection of an auditorium with a seating capacity of 300.

Plans Being Figured. Bids Close June 12, 1920. 2 P. M.
MANUAL TRAINING BUILDING.
Cost, $——.
OAKDALE, Stanislaus Co., Cal.
One-story frame and plaster manual training building.
Owner—Oakdale Union High School District, E. D. Heron, Clerk, Oakdale, Cal.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Certified check of 5% payable to Clerk of District required with each bid.
Plans and specifications can be seen at the office of the Clerk of the Board, at Farmers & Merchants Bank, Oakdale, Cal., or at the office of the Architect.

SAN FRANCISCO—The Board of Public Works has approved the following sub-contracts awarded by O. Monson, who has the contract to erect the Harrison Street School Building:
Carpentry work, Monson Bros.
Reinforcing steel, Badt & Falk Co.
Marble work, Jos. Clervi & Son.
Glass, W. P. Fuller Co.
Mill work, Acme Planing Mill.
Metal furring, lathing and plastering, J. Greenback.
Painting, Frisk & Swanson.
Finish hardware, Palace Hardware Company.
Masonry, and brick work, Emil Hogberg.
Plumbing, gas, heating and ventilating, Scott Company.
Miscellaneous iron work, Michel & Pfeffer.
Structural iron work, Pacific Structural Iron Works.
Sheet metal work, Comyns & Nygren.
Terrazzo work, P. Grassi Co.

SAN FRANCISCO—The Board of Public Works has requested the Supervisors to pass an Ordinance authorizing the construction of the Bernal School Building, plans for which have been approved by the Board of Education.
Martin A. Sheldon, 110 Sutter Street, is the architect.

SACRAMENTO, Cal.—The following bids were received on May 22d by the Carmichael School District for the construction of a one-story interlocking tile school building and tank house from plans prepared by architect, W. H. Weeks, 75 Post St., San Francisco.

| | Bldg. | Tank Hse. |
|---|---|---|
| W. R. Campbell, Sacto. | $12,725 | 1,340 |
| Wm. C. Keating, Sacto. | 12,760 | 1,290 |
| D. R. Wagner, S. F. | 13,800 | 1,450 |

Bids were taken under advisement.

Figures to be Taken Shortly.
SCHOOL Cost, $50,000
DINUBA, Tulare Co., Cal.
One-story 4-room school and outbuildings.
Owner—El Monte School District.
Architects—Glass & Butner, Cory Bldg. Fresno.
Plans provide for a sprinkling system, vacum cleaning and exhaust system of ventilation.

Contracts Awarded.
GYMNASIUM Cost, $65,400
LOS ANGELES, Los Angeles Co., Cal. Jefferson High School Site.
Two-story brick gymnasium, 120x100.
Owner—City of Los Angeles.
Architect—Norman F. Marsh and H. C. Howard, Broadway Central Bldg., Los Angeles.
Contractor—B. D. Kronnick, 312 W-39th St., Los Angeles.
W. W. Brooks was awarded the contract at $8000 for the plumbing; the American Electric Construction Co. the contract at $2250.07 for the electric wiring, and H. T. Miles & Son the contract for the painting and tinting at $4,924.

Preliminary Plans Prepared.
SCHOOL Cost, $10,000
SAN ANDREAS, Calaveras Co., Cal.
Grammar School.
Owner—San Andreas School District.
Architect—Chas. H. Young, Commercial Savings Bank Bldg., Stockton.
A bond election will be called in the near future to finance construction.

Plans Being Figured. Bids Close June 4th, 7 P. M.
HARDWARE Cost, $——
CHICO, Butte Co., Cal.
Furnishing and delivering hardware for Chico High School Building.
Owner—Chico High School District. Chas. H. Camper, Clerk.
Architects—Woollett & Lamb, Hagelstein Bldg., Sacramento.

SAN FRANCISCO—Anderson & Ringrose, 320 Market St., at $40,740 were awarded the contract by the Board of Public Works for the construction of alterations and additions to the Excelsior School on Excelsior avenue. Following is a complete list of the figures received:
Anderson & Ringrose, $40,740; (a) $2,600; (b) $5.00; (c) $27; (d) $25; (e) .08; (f) $12.
P. F. Reilly, $42,800; (a) $3,500; (b) $4.00; (c) $27; (d) $25; (e) .08; (f) $7.50
O. Monson, $41,940; (a) $2,250; (b) $4.00; (c) $24; (d) $21; (e) .08; (f) $7.
Wm. Bruce, $44,444; (a) $3,000; (b) $20.00; (c) $25; (d) $23; (e) .10; (f) $35
Bos & O'Brien, $44,470; (a) $2,500; (b) $4.50; (c) $30; (d) $20; (e) .10; (f) $6.00.

All Bids Rejected. Additional Bonds to be Voted and New Bids Called For Shortly.
SCHOOL Cost, $150,000
BISHOP, Inyo Co., Cal.
Two-story reinforced concrete high school building with 2 one-story wings.
Owner—Bishop Union High School District (Mrs. J. H. Stofflet, Clerk.)
Architect—W. H. Weeks, 75 Post St., San Francisco.
All bids received on May 22nd were rejected and additional bonds to the amount of $65,000 will be voted. Only $150,000 is now available.
R. W. Moller of San Francisco, submitted the lowest bid at $150,846 for the general contract.
Bids were taken separately for the general contract, blackboards, finish hardware, plastering, roofing, window shades, electric work, plumbing, sheet metal work, painting and heating.

Plans Being Prepared.
ADDITION Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Thirty-two room addition to frame high school.
Owner—City of San Jose.
Architects—Binder & Curtis, Binder Bldg., San Jose.

Contract Awarded.
ALTERATIONS Cost, $——
SAN JOSE, Santa Clara Co., Cal. Cor. Market and San Carlos Streets.
Alterations to building.
Owner—Wm. Binder.
Architects—Binder & Curtis, Binder Bldg., San Jose.
Contractor—Morrison Bros., Santa Clara.

SAN FRANCISCO—Up to June 16th bids will be received by the Board of Public Works for the construction of the Jefferson School on Irving street, between Eighteenth and Nineteenth avenues. Bids will be taken for a general contract, plumbing and heating, the estimates for which follow:

General Construction, $186,000; Bond fixed at $46,500.

Plumbing, $14,000; Bond fixed at $3,500.

Heating, $16,000; Bond fixed at $4,000.

Plans may be had from the Bureau of Architecture, 2nd Floor, City Hall, and were prepared by Architect J. R. Miller, Lick Bldg.

Commissioned to Prepare Plans.
SCHOOL Cost, $60,000
PUENTE, Los Angeles Co., Cal. Hudson School District.
One-story 4-room hollow tile grammar school building and 2 frame bungalow schools for Spanish students.
Owner—Hudson School District.
Architects—Jeffrey & Schaefer, 1106 Kerckhoff Bldg., Los Angeles.

Plans Complete.
SCHOOL Cost, $——
CORCORAN, Kings Co., Cal.
One-story hollow tile school (eight rooms).
Owner—Corcoran Grammar School District. Lotta C. Drown, Clerk, Corcoran, Calif.
Architect—M. P. Renfro, Porterville, Cal.

Contracts Awarded on Revised Figures.
SCHOOL Cost, $——
LODI, San Joaquin Co., Cal.
One-story hollow tile school (8 rooms and auditorium).
Owner—Lodi School District.
Architect—W. J. Wright, Bank of Italy Bldg., Stockton.
**General Contract** awarded to Cary Bros. of Lodi at approximately $71,000.
**Time Clock System** to Standard Electric Time Co., San Francisco.
**Blackboards** to Rücker Fuller Desk Co., San Francisco.
**Heating** to Scott Co., Oakland.
**Shades** to C. F. Weber Co., San Francisco.

Plans Being Figured. Bids Close June 12, 1920 at 8 P. M.
SCHOOL Cost, $——
ROSS, Marin Co., Cal.
One-story frame school (6 rooms).
Owner—Ross School District.
Architect—C. A. Muessdorffer, Humboldt Bank Bldg., San Francisco.

Plans Being Figured. Bids Close June 4th.
ADMINISTRATION BUILDING Cost, $130,000.
SEATTLE, Wash. On Shores of Lake Washington.
Two-story and basement reinforced concrete with "L" 140x70. Administration Building (Girls' Parental School).
Owner—City of Seattle School District No. 1.
Architect—F. A. Naramore, City Hall, Seattle, Wash.

Plans Being Figured. Bids Close June 4th, 2 P. M.
SCHOOL Cost, $——
HANFORD, Kings Co., Cal. Blocks 11 and 14, Camp's Second Addition.
Erection of school building. Separate bids will be received for plumbing and heating.
Owner—Hanford School District. J. A. Crawshaw, Clerk, Hanford.
Designer—J. R. Henderson, Tulare.
Plans may be seen at the office of the Clerk of the School Board. Certified check of 3% payable to Clerk must accompany each bid.

All Bids Rejected.
SCHOOL Cost, $20,000
SALIDA, Stanislaus Co., Cal.
Grammar school.
Owner—Salida Grammar School District (Chas. Craig, Clerk).
Architects—Davis, Heller & Pearce, Belding Bldg., Stockton.
NOTE—All bids received on May 17th were rejected as being too high.
Whether plans will be revised and new bids called for has not been decided.

Plans Being Figured. Bids Close June 9, 1920, 11 A. M.
SCHOOL Cost, $55,000
SUNNYVALE, Santa Clara Co., Cal.
One-story reinforced concrete school (5 rooms).
Owner—Sunnyvale Grammar School District.
Architect—Ernest Norberg, Bankers' Investment Bldg., San Francisco.
Separate figures will be taken for heating, plumbing and sheet metal work combined.

Figures to be called for end of this week.
ADDITION Cost, $10,000
CAMPBELL, Santa Clara Co., Cal., Cambrian School District.
One-story frame metal, lath and plaster, two-room addition to school.
Owner—Cambrian School District, F. E. Duncan, Clerk, Campbell, Cal.
Architects—Higbie & Hill, Porter Bldg., San Jose, Cal.

Plans Being Figured. Bids Close June 11, 1920, at 3:30 P. M.
ADDITION Cost, $45,000
OAKLAND, Alameda Co., Cal. Market and 54th Streets.
Class "C" addition to school.
Owner—City of Oakland.
Architect—Construction Dept. of Board of Education (C. W. Dickey in Charge), Everson Bldg., Oakland.
Plans may be obtained from Mr. Dickey's Office on a deposit of $25.00.
Bids are being taken for a general contract including plumbing, heating and electric work and will be opened in Mr. Barzee's Office.

CROCKETT, Contra Costa Co., Cal.—The election held to vote bonds of $275,000 to finance construction of a new grammar school failed to carry.

Plans Being Figured. Bids Close June 10, 1920, at 3:30 P. M.
ADDITION Cost, $22,000
OAKLAND, Alameda Co., Cal. Piedmont and Echo Avenues (Piedmont Avenue School).
Addition to school.
Owner—City of Oakland.
Architect—Construction Dept. of Board of Education (C. W. Dickey in Charge), Everson Bldg., Oakland.
Plans may be obtained from Mr. Dickey's Office on a deposit of $25.00.
Bids are being taken for a general contract including plumbing, heating and electric work and will be opened in Mr. Barzee's Office.

Bids Opened and Taken Under Advisement.
SCHOOL Cost, $22,600
SAN FRANCISCO. Washington and Maple Streets.
One-story frame and plaster school.
Owner—Mr. Salz (Presidio Open Air School.)
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
I. M. Sommers, 401 Balboa Bldg., submitted the lowest bid at $22,600. Other bidders were Louis Cereghino, W. D. Henderson, A. D. Collman and D. E. Farquharson.

YUBA CITY, Sutter Co., Cal.—By a vote of 84 to 75, the $34,000 bond issue to erect a new school building in the recently consolidated districts of Auburn, Cottonwood and Eagle, was defeated.

Contract Awarded.
SCHOOL Cost, $12,725
CARMICHAEL, Sacramento Co., Cal.
One-story interlocking hollow tile school.
Owner—Carmichael School District, H. L. Nelson, Clerk, R. D. 3, Box 245, Sacramento, Cal.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Contractor—W. R. Campbell, 3521 J St., Sacramento.

Plans Ready For Figures.
ADDITION Cost, $25,000
ORLAND, Butte Co., Cal.
One-story brick veneer addition to high school.
Owner—Orland High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Plans will be obtainable at Mr. Week's office.
Plans Being Figured. Bids Close June 11th, 10:30 A. M.
STEAM HEATING, ETC. Cost, $——
MARTINEZ, Contra Costa Co., Cal.
Steam heating and electric wiring for Alhambra Union High School Bldg.
Owner—Alhambra Union High School District, J. E. Rodgers, Clerk, Martinez, Cal.
Architect—A. A. Cantin, 68 Post St., San Francisco.
Certified check of 5% payable to Alhambra Union High School District required. Plans may be obtained at the office of the architect or from J. E. Rodgers, Byron Brown Bldg., Martinez, on a deposit of $50.

Plans Being Figured. Bids Close June 7th, 7:30 P. M.
SCHOOL Cost, $10,000
MONTPELIER, Stanislaus Co., Cal.
One-story one-room school.
Owner—Union Grammar School District, A. M. Barnes, Clerk, Montpelier, Cal.
Architects—Davis, Heller & Pearce, Ramont Bldg., Modesto, or Belding Bldg., Stockton, Cal.
Certified check of 5% payable to Clerk of Board of Trustees of District required.

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Ready For Figures Next Week.
GYMNASIUM. Cost, $185,000
BERKELEY, Alameda Co., Cal. Block Bounded by Grove, Milvia, Bancroft and Channing Way.
Two-story hollow tile and reinforced concrete gymnasium building.
Owner—City of Berkeley.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

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Figures to be called for next week.
SCHOOL Cost, $42000
ORLAND, Glenn Co.
Two-story reinforced concrete and frame grammar school.
Owner—Orland Grammar School District.
Architect—Woollett & Lamb, Physicians Bldg., Sacramento.
NOTE:—Bids will be taken for a general contract including the mechanical equipment.

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COMPTON, Los Angeles Co., Cal.—[illegible] & Laisy, 501 O. T. Johnson Bldg., Los Angeles, submitted the lowest bid and were awarded the contract for all work complete for the erection of a new one-story grammar school building at Compton. Arthur W. Angel, 3739 Princeton Ave., Los Angeles, is the architect. The contract was awarded on the original bid of $76,833, but a number of deductions will be made to bring the cost within the funds available and the stipulation will be made in the contract that items omitted may be reinstated at the prices allowed. Additional bonds will be voted at once to complete the building as planned.

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SAN RAFAEL, Marin Co., Cal.—An election to vote bonds to finance the construction of school improvements is advocated by R. S. Phelps, Supsrintendent of Schools. Phelp's program will provide the following improvements:

1 A new High School site and building.

2 Purchase of additional land at or near Fourth and E streets, removal of the present Grammar School Building, and remodeling the present High School Building for use as an intermediate school.

3 A new building for the B Street school.

4 Enlargement of the lot and building of the Short School.

5 Purchase of land and erection of a building in the West End.

This program will call for about $225,000 for the High School and from $180,000 to $200,000 for the elementary schools.

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SAN FRANCISCO—Plans and specifications have been approved by the Board of Education for the new Class "A" North Beach High School to be erected in the block bounded by Francisco, Bay, Polks Sts. and Van Ness Av. The Board of Public Works has requested the Supervisors to authorize construction of the building.

Plans were prepared by City Architect John Reid Jr., First National Bank Bldg.

## SCHOOLS.

FRESNO, Cal.—The Board of Education of Fresno awarded the following contract on May 28th for the construction of the Edison & Jefferson Schools. Plans for the Edison School were prepared by architect E. J. Kump and for the Jefferson by Glass & Butner. Trewhitt & Shields, Rowell Bldg., Fresno, are the Superintendents of construction.

**EDISON SCHOOL**

(A) A. D. Collman, 110 Jessie St., San Francisco, $35,800. Reject brick—June 14th.
(C) W. B. Kyle, Call Bldg., San Francisco, $1,818.
(E) Barrett-Hicks Co., 1035 I St, Fresno, $1,284.
(F) Mechanical Eq. & Supply Co., Sacramento, $5,850.
(G) Barrett-Hicks Co., Fresno, $512.
(H) Frank Hart, 1213 Van Ness, Fresno, $7,325.
(J) D. Zelinsky & Son, San Francisco, $3,500.
(K) C. F. Weber Co., San Francisco, $1,071.
(L) Fresno Hardware Co., Fresno, $1,023.
(M) Kawnear Mfg. Co., Berkeley, $395.

The bid of the Fibrestone & Roofing Co., 199 10th St., San Francisco at $2,400 on "D" for the roofing, and the bid of The Lewis Electric Co., Fresno at $1,414 on "I" for electrical wiring were taken under advisement.

All bids for the brick were rejected and new bids called to be opened on June 14th. The bids received included the furnishing of the bricks which was a misunderstanding as the Board will furnish them.

**JEFFERSON SCHOOL**

(A) A. D. Collman, San Francisco, $52,300.
(B) Fred Smith, Fresno, $9,472.
(E) Barrett-Hicks Co., $9,189.
(F) Mechanical Eq. & Supply Co., $7,350.
(G) Barrett-Hicks Co., $618.
(H) McGruer & Simpson, San Francisco, $12,494 metal last.
(I) Lewis Electric Co., $3,535.
(J) R. Zelinsky, San Francisco, $4,690.
(K) Ristenpart Bros., Fresno, $1,077.60.
(L) Fresno Hardware Co., $1,220.
(M) Hauser Window Co., 157 Minna St., San Francisco, $331.50.

The following two bids were taken under advisement.

(C) W. B. Kyle, $4,340.
(D) W. K. Tobis, Los Angeles, $4,100.

NOTE—The above propositions were for the following parts of the work—"A" Excavation, concrete, carpenter, mill work, etc., "B" Brick and terra cotta, "C" steel and ornamental iron, "D" rock composition or tile, "E" plumbing, "F" heating, "G" galvanized iron and sheet metal flashings, "H" lathing and plastering, "I" electric wiring, clocks, gongs, etc., "J" painting, "K" blackboards in place, "L" finish hardware f. o. b. job, "M" patent window hardware.

## STORES AND OFFICES.

Contractor Taking Sub-Figures.
AUTO SALES BLDG. Cost, $38,000
SACRAMENTO, Cal.
One-story brick and concrete auto sales building.
Owner—Earle C. Anthony.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

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Contract awarded.
ALTERATIONS AND ADDITIONS Cost, $75,000.
EUREKA, Humboldt Co., Fourth and F Sts.
General alterations and additions for department store.
Owner—Daly Bros., Eureka, Cal.
Architect—Frank T. Georgeson, Eureka, Cal.
Contractor—Louis Halversen, Eureka, Cal.

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Contract Awarded.
STORE BLDG. Cost, Approximately, $50,000.
SAN FRANCISCO. SW Twenty-second and Mission Streets.
Two-story reinforced concrete store building.
Owner—Columbia Outfitting Co.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Monson Bros., 1907 Bryant St., San Francisco.

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Contract Awarded.
STORE AND LOFT BUILDING Cost, $14,000 approximately.
SAN FRANCISCO. SW Mason Street and Dickman Place.
Two-story and basement reinforced concrete store and loft building.
Owner—Carlo Matraia.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

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Contract Awarded.
TELEPHONE EXCHANGE Cost, $80,000.
SEATTLE, Wash. SE Forty-second and Meridian Streets.
Two-story and basement brick and terra cotta telephone exchange, 94 x78.
Owner—Pacific Telegraph & Telephone Company.
Architect—Owner.
Contractor—Rounds-Clist Co., Walker Bldg., Seattle, Wash.
The sub-contract for the steel has been awarded to the Hoffus Steel & Equipment Co., L. C. Smith Bldg., Seattle, and plumbing and heating contract to Norton & Spangler, Henry Bldg., Seattle.

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Segregated Figures Being Taken For all Parts of the Work, Except Carpentry.
ALTERATIONS Cost, $——
SAN FRANCISCO. Nos. 26-30 Montgomery Street.
Alter Class "C" building for stores and offices.
Owner—Umbsen, Kerner & Eisert, 20 Montgomery St., San Francisco.
Architect—August G. Headman, 747 Call Bldg., San Francisco.
Figures are being taken for plastering, plumbing, tile, elevator work, etc. The carpentry has been awarded to Swenson & Franzen, 145 Natoma St.

LOS ANGELES, Cal.—The Thomas Haverty Co., 8th St. and Maple Ave., has the contract at $104,000 for the installation of the plumbing, steam heating, gas and other piping in the Los Angeles Railway Co.'s ten-story Class "A" office building to be erected at 11th St. and Broadway. Noerenberg & Johnson, Pacific Electric Bldg., Los Angeles, are the architects.

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Granite Contract awarded.
OFFICE BLDG. Cost, $1,000,000 Approximately.
SAN FRANCISCO. Pine and Montgomery Sts.
Fifteen-story Class "A" office building
Owner—Commercial Union Assurance and The California Fire Insurance Company.
Architects—Geo. W. Kelham and Kenneth MacDonald Jr., Associate, Sharon Bldg., San Francisco.
Engineer—H. J. Brunnier, Sharon Bldg., San Francisco.
Contractor—P. J. Walker Co., Monadnock Bldg., San Francisco.

Mr. Walker has awarded a contract to the McGilvray Stone Co., 634 Townsend St. for all the granite work at approximately $200,000.

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Contract awarded.
BUILDING Cost, $30,000
OAKLAND, Cal. N 13th St. 100 W. Harrison.
Two-story concrete store building.
Owner—O. H. Kopperud, 2030 High St., Oakland.
Architect—Hutchinson & Mills, Syndicate Bdg., Oakland.
Contractor—Wm. Harper, 271 7th Ave., San Francisco.

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Sub-Figures Being Taken.
STORES Cost, $15,000
SAN FRANCISCO. N Post Street 112-6 E Leavenworth Street.
One-story brick stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—Rousseau & Rousseau, 110 Sutter St., San Francisco.

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Sub-Figures Being Taken.
AUTO SALES BUILDING AND STORE ROOMS. Cost, $15,000
SAN FRANCISCO. NE Eddy and Van Ness Avenue.
Three-story Class "C" auto sales building and store rooms.
Owner—H. H. Helbush, 40 Montgomery St., San Francisco.
Architect—W. J. Schmolle, 40 Montgomery St., San Francisco.

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Contract Awarded.
FEED STORE Cost, $——
SAN JOSE, Santa Clara Co., Cal. Market Street near San Carlos St.
One-story hollow tile building (wholesale feed store).
Owner—Isaacson & Linquist.
Architects—Binder & Curtis, Binder Bldg., San Jose.
Contractor—R. O. Summers, 17 N-First St., San Jose.

## THEATRES.

Steel Figures Being Taken.
THEATRE Cost, $70,000
SAN FRANCISCO. W Third Street 25 S Minna Street.
Class "A" motion picture theatre.
Owner—O. D. Baldwin Russ Bldg., San Francisco.
Architect—A. W. Burgren, Phelan Bldg., San Francisco.

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LOS ANGELES, Cal.—Architect A. C. Martin, 432 Higgins Bldg., Los Angeles, is taking bids for remodeling the building at 442-46 S. Hill street into a picture theatre for the Bard Theatre Company. There will be two stores and auditorium; ornamental tile front, plate glass, ornamental iron marquise, metal lath and plaster, staff work, heating and ventilating system, tile lobby, plumbing, gas radiators, opera chairs.

# Engineering.

## BRIDGES, DAMS & HARBOR WORK.

LOS ANGELES, Cal.—City Engineer Griffin estimates that it will cost the city $3,000,000 to carry out its agreement with the Salt Lake Railway Co. for the exchange of land necessary to widen the channel at Los Angeles harbor. The necessary wharves will cost $1,750,000 and the proposed drawbridge and road will cost $1,250,000.

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RED BLUFF, Tehama Co., Cal.—The following contracts were awarded by the County Supervisors for the construction of bridges, bids opened May 18:

South Fork of Reed's Creek, C. E. McCartney, $3,100.

Cottonwood Creek at Pettijohn place, W. T. Lanning, $1,600.

Singer Creek, Hart Construction Co., $17,700.

Mill Creek No. 1, Hart Construction Co., $4,693.

Mill Creek No. 2, Hart Construction Co., $4,088.

Mill Creek main bridge, Bordwell & Zimmerman, $31,450.

Deer Creek, Cotton, McCauley & Co., McCauley Construction Co., $69,970.

Red Bank, state highway, Hart Construction Co., $33,000.

Thomas Creek, state highway, Bordwell & Zimmerman, $81,300.

No bids were received for the construction of the Squaw Hill and Antelope Creek structure. H. G. Kuhn is County Clerk.

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SAN BERNARDINO, San Bernardino Co., Cal.—City Engineer Will L. Brown has prepared plans and specifications for reinforced concrete reservoir, 20x 45 ft., and 9.8 ft. deep; capacity 30,000 gallons for the city water department. Bids will be taken.

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RED BLUFF, Tehama Co., Cal.—Up to June 9th, 10 A. M., bids will be received by H. G. Kuhn, County Clerk, for the construction of a draw bridge over the Sacramento River at a point known as Squaw Hill, 6 miles southeast of Corning.

Plans may be seen at the office of the County Clerk or the Engineer, John B Leonard, 57 Post street, San Francisco.

Certified check of 5% payable to Chairman of the Board of Supervisors required with each bid.

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FRANKLIN, Ariz.—Engineers of the U. S. Reclamation Service have started a survey of the proposed reservoir and canal system to irrigate 20,000 acres in Greenlee County. Headquarters camp has been established at Box Canyon on the Gila river, 20 miles above Franklin.

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SACRAMENTO, Cal.—The State Reclamation Board has awarded a contract to F. P. Bell of San Francisco for removing from the channel of the Sutter By-pass in Sutter County sections of some old district levees constructed before the adoption of the general flood control project.

Bell's bid was 28 cents a yard.

The work requires the excavation of between 65 and 70 thousand cubic yards of material.

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CARSON CITY, Nevada—The Midland Bridge Co. of Salt Lake City, Utah, has been awarded the contract for the construction of the bridge over Virgin River near Bunkerville, Clark County, Nevada, by the State Highway Commission. The bid was $54,439.50. Bids were also submitted by the Ross Construction Co. of Sacramento, $54,371, and the James J. Burke & Co., Salt Lake City, $57,700.

Work involves: 5600 cu. yds. excavation without classification.

108 cu. yds. Class "B" concrete complete in place.

4600 lineal ft. untreated timber piles complete in place.

115 M. ft. B. M. timber trestle complete in place.

195,000 lbs. structural steel erected in place and painted.

888 lin. ft. guard rail.

700 lin. ft. control wier complete in place.

C. C. Cottrell is State Highway Engineer.

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SACRAMENTO, Cal.—Following a conference with Freeport residents it is thought the County Supervisors will construct three bridges, instead of two, in the Delta District of the Sacramento river between Sacramento and Courtland. County Surveyor Drury has been directed to submit estimates for construction of the structures.

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PHOENIX, Ariz.—The state loan board has ratified the award of a contract for completion of the Lyman dam at St. Johns to Johnson & Park of St. Johns, at $174,500. R. E. Shea of Los Angeles, submitted the only other bid at $161,920. Johnson & Park offered in their bid to purchase equipment now at the dam site for $10,000 on completion of the work. Shea claims he had no knowledge that sale of the equipment was proposed and he had no opportunity to include an offer for equipment in his bid. He announces his intention at Phoenix to enjoin the signing of the contract.

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MODESTO, Stanislaus Co., Cal.—Preliminary steps toward the purchase of a cement pipe machine were taken at the last regular meeting of the Board of Directors of the Modesto Irrigation District when Engineer Percy F. Jones and Directors Hilton and Morris reported favorably on the advisability of purchasing an air-tamping machine

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orchardists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

## IRRIGATION PROJECTS.

BUCKEYE, Arizona.—Directors of the Buckeye Irrigation District have approved plans prepared by Chas. Kirby Fox, consulting engineer, Pomona, Calif., for a new diversion dam in the Gila river. The type of dam selected will be 9 ft. high above the river bed and about 3000 ft. long and 150 ft. in breadth. It will consist of a breast and toe wall of concrete with the intervening space filled with large boulders. Below the toe walls will be an apron 75 ft. wide of boulders held in place by heavy wire mesh. The concrete retaining walls will not extend to bedrock, but will be carried to the same depth as the remainder of the structure. The dam with sidewalks, intake and projecting walls will cost approximately $450,000. Validity of the bonds voted by the Buckeye irrigation district for irrigation and drainage, amounting to nearly $1,000,000 is about to be passed upon by the superior court in suits filed by a few protestants.

FRESNO, Fresno Co., Cal.—Up to June 15th bids will be received by Engineers Jensen & Ross, Patterson Blk., Fresno, for the following improvements to be made in the Tranquillity Irrigation District:

**Water Works.**

75 foot steel tower to carry 50,000 gallons, redwood tank.

7000 feet of 4-inch redwood pipe.

2000 feet of 6-inch redwood pipe.

One pumping plans complete for the town water supply. Internal combustion engine and two stage centrifugal pump.

Plans Being Prepared.

## LIGHTING SYSTEMS.

SACRAMENTO, Cal.—The installation of an electrolier system in Twelfth street was discussed at a recent luncheon of the Twelfth Street Business Men's Association. R. D. McFarland is President of the Association.

## MACHINERY.

PORTERVILLE, Tulare Co., Cal.—Until 12, noon, June 5, bids will be received by trustees of Porterville union high school district for 7 trucks. C. O. Premo, clerk.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

STOCKTON, San Joaquin Co., Cal.—No bids were received May 21st by the City Council for the improvement of Rose street from Edison street west to Yosemite; Stockton street from Rose street south to the north boundary of San Joaquin County; Baker street from Rose street south to the north boundary of San Joaquin County and Edison street from North street to the south boundary of Lomita Park.

Specifications call for grading, constructing concrete curbs and gutters, and paving with oil macadam, consisting of a 4-in. cement gravel foundation with a wearing surface of crushed rock and oil 2 inches thick.

A. L. Banks is City Clerk.

DELANO, Kern Co., Cal.—The city trustees have decided to start proceedings for a sewer system for the city to cost $50,000 to $75,000. The first step will be to select an engineer. W. W. Holton is city clerk.

FRESNO, Fresno Co., Cal.—Up to June 7th, 5 P. M., bids will be received by Chas. Dillon, City Clerk, for the following improvements:

For the construction of 6-inch lateral sewers with Y's for each 25-foot frontage in blocks 2, 4, 5, 6, 7, 9 and 11 of Palm Villa.

Blocks 3, 4, 5, 6, 7, 7½, 9, 10, 11, 12, 13, 14, 19, 20, 21, 22, 23, of Hazelwood.

Blocks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, of Cedar Park.

For the construction of 6-inch lateral sewer in Plumas St., opposite the alley of Block 91 of Fairmont west to a point 132.5 feet east of Block 91, including the construction of a manhole; the construction of a 6-inch lateral sewer from the newly constructed manhole to a point 20 feet south of Block 91 and to a point 20 feet north of Block 91; also the construction of a 6-inch lateral sewer from a manhole 132 ft. west of Block 91 to a point north 20 feet and south 20 feet from Block 91, including the placing of Y's at every 25-foot frontage.

The construction of cement concrete curbs and sidewalks in the west side of College Ave. from Floradora Ave. to Home Ave., and south side of Floradora Ave., from College Ave. to Van Ness Boulevard.

For the construction of concrete curbs and sidewalks in the east side of Moroa Ave. from Weldon Ave. to Cambridge Ave.

For the improvement of Hazelwood Blvd. from Butler to California Ave., by grading, constructing cement concrete curbs and gutters, corrugated metal culverts and oiling between curb lines.

For the improvement of Hamilton Ave., from Parallel Ave. to South Third St., by grading, constructing cement concrete curbs and gutters, corrugated metal culverts and oiling between curb lines.

Improvement of Patterson Ave. from Blackstone Ave. to San Pablo Ave., by grading, constructing cement curbs and gutters, corrugated culverts, cement sidewalks and oiling between curb lines.

Certified check for 10% payable to City of Fresno required.

SOMERTON, Ariz.—Until June 8 bids will be received by the city clerk for 1810 ft. 8-in., 225 ft. of 6-in., and 5140 ft. 4-in. Class "A" cast iron water pipe; and alternate bids for same sizes and quantities of 14-gauge riveted steel soil-proof wrapped pipe; also 6020 ft. 2-in. standard screw black dipped pipe. Bids will be received at the same time for three 8-in., one 6-in., twelve 4-in., and eleven 2-in. gate valves and 15 4-in. fire hydrants; also for furnishing and erecting a 50,000 gallon steel tank on 80 ft. steel tower. Certified check for 10% required. Bids for pumps and motors will be taken later. Plans and specifications may be obtained from Olmsted & Gillelen, consulting engineers, Hollingsworth Bldg., Los Angeles.

SAN DIEGO, San Diego Co., Cal.—R. M. Morton, engineer of county highway commission, has submitted plans for concrete paving for county highways as follows: Six miles from Chula Vista south; 10 miles from El Cajon to Foster, and 10 miles from north end of Poway grade to Bernardo. Bids will be called for in two or three weeks.

FRESNO, Fresno Co., Cal.—Up to June 21st, 8 P. M., bids will be received by Chas. Dillon, City Clerk, for the construction of sanitary sewers in Municipal Improvement District No. 1.

Plans may be had from City Engineer's office on deposit of $15. Certified check for 10% payable to Mayor and City Clerk required.

SEBASTOPOL, Sonoma Co., Cal.—The Board of Trustees has passed Resolution of Intention No. 9 providing for the improvement of Petaluma avenue from the south city limits to Baxter avenue, and South Main street from Litchfield avenue to a point 220 feet south of Burnett street, by grading and constructing a Petorlistic cement pavement, and cement curbs and gutters. The work is to be done under the Improvement Act of 1911. John S. Saunders is Town Clerk.

SACRAMENTO, Cal.—The Highway Commission has rejected the bid received April 12 from Guy T. Atkinson of Portland, Ore., at $296,726 for paving with concrete 15.7 miles of state highway in Shasta County between south boundary and Redding (II-Sha-3-A); engineer's estimate $246,400.50. The Commission has also rejected the bid received May 3 from Atkinson at $216,215 for paving with concrete 13.6 miles of state highway in Tehama County between Red Bluff and north boundary (II-Teh-3-C); engineer's estimate, $139,650. No other bids were received for these projects.

LOS ANGELES, Cal.—Los Angeles Paving Co., 2900 Santa Fe Ave., was awarded the contract at $40,026.53 for paving Thirty-ninth St. between Vermont Ave. and Western Ave. with 5-in. bituminous base with 2-in. sheet asphalt surface, involving 114,700 sq. ft. grading, 113,643 sq. ft. asphalt paving, 1065 sq. ft. concrete paving, 70 ft. curb, 11,334 sq. ft. concrete gutter, and 140 ft. connecting sewers. Geo. R. Curtis bid $41,658.01 and Fairchild-Gilmore-Wilton Co., $43,452.74.

YREKA, Siskiyou Co., Cal.—The Supervisors of Trinity and Siskiyou Counties are planning the repair of the road over Scott Mountain. The work will be financed by both counties.

RICHMOND, Contra Costa Co., Cal.—Petitions have been received by the City Council asking the improvement of Twenty-eighth street, Lowell street, and Rheem avenue from Twenty-third to Twenty-sixth street. Permanent improvements are sought.

A. C. Faris is City Clerk.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees have approved plans for sewer work in the lower end of Ferry street and a call for bids will be issued shortly.

EL CENTRO, Imperial Co., Cal.—Until 2 P. M., June 7, bids will be received by Supervisors of Imperial County for certain road work under provisions of road district improvement act of 1917. Certified check or bid bond for 10% required. M. S. Cook, County Clerk.

BAKERSFIELD, Kern Co., Cal.—The City Council has rejected bids received for a sewer south of Thirteenth and Fourteenth streets and west of O street and new bids have been ordered received.

NAPA, Napa Co., Cal.—Preliminary plans for the improvement of College street between First and Second streets have been approved by the City Council.

SACRAMENTO, Cal.—City Commissioners, M. J. Desmond, Clerk, have passed resolution of intention No. 1488 for the improvement of Santa Clara Way between Second and Third avenues, by grading; constructing concrete curbs and gutters; 2 cast iron gutter drains and connecting same with 6-inch sewer pipe and laying a 5½ inch asphaltic concrete pavement. Work under Improvement Act of 1915.

Resolution 1489. Improvement of alley between J and K streets, 15th and 16th streets, by constructing 2 concrete catchbasins with cast iron curbs and covers connecting same to 6-inch sewer and paving with 5½ inch asphaltic concrete.

Resolution 1490. Improvement of alley between V. W. 29th and 30th streets, by constructing 1 concrete catchbasin with cast iron curb and cover connecting same to 6 inch sewer; grading and paving with 5½ inch asphaltic concrete.

LONG BEACH, Los Angeles Co., Cal.—John Cummings, 1200 Washington Bldg., Los Angeles, submitted the lowest bid at $44,649.50 for constructing vitrified pipe sewers in Hill street and 18 other streets and alleys in Long Beach and constructing a sewage pumping plant with pumps and motors, manholes, flushtanks, etc. Other bids received were: John Radich, $46,999; Peter Tomich, $57,900; T. Janich, $61,151; M. Milovich, $59,864, and R. N. Nikcevich, $62,100. A. de Ruiz, City Engineer.

Fred Hoffman, 111 E. 12th street, Long Beach, submitted the lowest bid for paving Santa Cruz street between Golden and Wabash avenue, involving 18,783.47 sq. ft. paving at 15c ft.; 1619.16 sq. ft. cement gutter at 27c sq. ft.; 981.3 lin. ft. curb at 50c ft.; 4844 sq. ft. sidewalk at 20c ft.; culvert at $100 and 370 lin. ft. house connection sewers at $2.50. E. P. Henry submitted the only other bid at 20c for paving, 28c for gutter, 55c for curb, 20c for sidewalk, $100 for culvert and $400 lump sum for sewers.

SAN DIEGO, San Diego Co., Cal.—Kier Construction Co. of San Diego, submitted the lowest bid at $160,723.30 for paving Leman Grove road No. 4, county highway system, and has been awarded the contract for the work.

BAKERSFIELD, Kern Co., Cal.—The Valley Construction Co., submitted the only bid to the City Council for the construction of sewers in the alleys south of 13th street and south of 14th street, from O street west, at $2.25 per lin. ft. or $2,926.50. The bid was taken under advisement.

V. Van Riper is City Clerk.

NAPA, Napa Co., Cal.—The City Trustees, H. H. Thompson, Clerk, has passed resolution of intention No. 483 providing for the improvements of College street from First to Second streets by grading, curbing with cement and paving with a two course asphalt macadam pavement 18 feet wide.

Work will be done under the Im-

WHITTIER, Los Angeles Co., Cal.—Thomas Haverty Co., 8th St. and Maple Ave., Los Angeles, submitted the lowest bit at about $41,260 for constructing a water distributing system including the laying of pipes, fittings and fire hydrants, the city to furnish pipe. Murphy & Ware of Los Angeles, bid about $62,500 and Schultz Construction Co. of San Francisco, submitted a bid at a higher figure. The contract will probably be awarded to the Haverty Co.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention No. 20247 providing for the improvement of 81st avenue from E-Fourteenth to Rudsdale street, by grading, constructing concrete curbs and gutters, cement sidewalks, 2 wooden culverts and paving with oil macadam.

STOCKTON, San Joaquin Co., Cal.—F. E. Quail, County Engineer, has been instructed by the Supervisors to prepare plans and specifications for paving eleven miles of county highway in the districts north and east of Stockton.

Three stretches of road will be improved as follows:

Hammer lane, connecting Cherokee avenue and the lower Sacramento road, 3½ miles.

Waterloo road, from Waterloo to the Forrest Foote ranch, 2 miles.

The upper Copperopolis road, beginning at its intersection with the south Copperopolis road, thence east to its junction with the crossroad connecting with the Linden road, thence north on said crossroad to the Linden road, about 5½ miles.

RICHMOND, Contra Costa Co., Cal.—City Engineer Chapman has been instructed to prepare plans for the improvement of Rheem, Andrade and Lowell avenues and also an estimate on the cost of paving Twenty-third street north to the city limits.

A. C. Faris is City Clerk.

VALLEJO, Solano Co., Cal.—W. J. Tobin of San Francisco has been awarded a contract by the City Council for the improvement of Garford alley. One other bid was submitted for the work. Alf. E. Edgcumbe is City Clerk.

LANCASTER, Los Angeles Co., Cal.—The $50,000 bond issue for a water system in Lancaster, county water works district No. 4, carried at the special election.

VISALIA, Tulare Co., Cal.—The Federal Construction Co. of San Francisco, at $224,533 has been awarded a contract by the City Council for approximately 2½ miles of street paving.

This is the second time that this contract has been awarded. On October 14, 1919, an award was made to the Federal Construction Company on their low bid, which was subsequently cancelled on account of alleged technical errors in the proceedings.

Unit prices for the work follow:

Grading, per cubic yard, cut, 5c; grading, per cubic yard, fill, 1c; pavement, 3-inch base and 1½-inch Topeka wearing surface, per square foot, 20c; pavement, 4-inch base and 1½-in. Topeka wearing surface, per square foot, 25c; curb, per linear foot, 60c; gutter, per linear foot, 50c; culvert, corrugated iron, per linear foot, $3.00; culvert manholes, complete, each, $30; head boards, to be left in place, per linear foot, 10c; alley approaches, complete, each $40; storm sewer, 8-inch pipe, per linear foot, $1.50; storm sewer, 6-inch pipe, per linear foot, $1.20 manholes for storm sewer, each, $50; 6x6-inch eyes, to be inserted in present 6-inch storm sewer line, each, $1.00; 6x 6-inch eyes, to be placed in extension of present 6-inch storm sewer line, each, $1.00; catchbasins, complete, each, $25.

SANTA BARBARA, Santa Barbara Co., Cal.—Street work scheduled by the city for the immediate future includes 5 blocks of Warrenite-Bitulithic pavement on Victoria street; 7 blocks of Warrenite or Topeka pavement on Sola street; 1 block of Warrenite on Salsipuedes street; 3 blocks of concrete pavement without wearing surface, on Putnam street. Resolutions of intention are being gotten under way. G. D. Morrison is City Engineer.

WATTS, Los Angeles Co., Cal.—A sewer bond election will be called soon. The city attorney has been asked to prepare a resolution providing for appointment of a city engineer to take charge of the work.

VALLEJO, Solano Co., Cal.—The City Council has approved specifications for the construction of sidewalks in various portions of the city. Some of the work will be done under private contract. Alf E. Edgcumbe is City Clerk.

NAPA, Napa Co., Cal.—The City Engineer has been instructed to prepare plans for the improvement of Clinton street between Tulocay street and the S. P. railroad tracks.

LODI, San Joaquin Co., Cal.—Petitions are being circulated for the improvement of East Elm street and one block in Stockton street from Elm to Locust and a half block south of Elm street on Stockton.

SANTA CRUZ, Santa Cruz Co., Cal.—Plans for a considerable amount of sewer work, most of which will be done in Delaware and Surfside avenues, were presented at the last meeting of the City Council. Six and eight inch pipes will be used in the two streets mentioned. S. A. Evans is City Clerk.

SAN FRANCISCO.—The Board of Public Works has passed resolutions of Expediency and approved specifications for the improvement of Foerster street from Flood to Staples avenue, estimate cost $5,000; San Bruno Ave., from Sunnydale Ave. to the County Line, $1,170 and Moultrie street from Eugenia and Powhattan, $1,350.

SAN DIEGO, San Diego Co., Cal.—John Engebretzen, McNeece Bldg., San Diego, submitted the lowest bid at $76,347 for paving Tide St. on specifications for 1:3:6 concrete base with oil macadam top. Hunt-Waugh Construction Co., San Diego, submitted the only bid for Willite paving at $107,787.

BISHOP, Inyo Co., Cal.—Perry Sexton has taken a subcontract for 10,000 cu. yds. excavating on the state highway north of Independence, Inyo Co. C. D. Soteras, Los Angeles, contractor.

TUCSON, Ariz.—The U. S. Bureau of Public Roads has approved federal aid for paving from Tucson south 9 miles on the Tucson-Nagoles road. The Pima county highway commission will furnish 50% of the funds for the paving. Bids for the paving will probably be called for soon.

PHOENIX, Ariz.—Application for road building equipment valued at $3,000,000 has been made by the Arizona State Highway Department to the U. S. Bureau of Public Roads. The equipment will be distributed to various counties of the State.

AZUSA—Contractors Bechtel & Hoey of San Francisco, have started work on the San Gabriel canyon road, 1½ miles of which is covered by a contract recently awarded by the U. S. bureau of public roads.

YUMA, Ariz.—White & Miller of Yuma, submitted the only bid at $90,170.50 and were awarded the contract for paving Orange Ave., Fourth St., and Madison Ave. in paving district No. 5, involving 23,690 sq. yds. grading; 21,580 sq. yds. Warrenite-bitulithic paving; 9390 ft. cement curb; 7720 lin. ft. concrete gutter; 320 lin. ft. valley gutter; 7530 sq. yds. grading for parking; 1110 sq. ft. one course concrete paving; 5 manholes to be brought to grade; 8 gutter inlets to be brought to grade; 8 cast iron traffic buttons; 4 concrete-iron culverts and vitrified pipe connection to storm sewer. Norman B. Conway, consulting engineer, Yuma.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Trustees have accepted the bid of Greenfield & Costello of Santa Cruz at $364 for sewer work in Second street, Beach Hill District.

STOCKTON, San Joaquin Co., Cal.—City Engineer Walter B. Hogan has been instructed to prepare plans for the improvement of Fair Oaks avenue from East street to the city limits. The thoroughfare will be improved with sidewalks and gutters and the sides of the street will be paved up to the center portion, which is already paved, being part of the old county highway system.

A. L. Banks is City Clerk.

SACRAMENTO, Cal.—The California Highway Commission has rejected bids in the following instances:

Tehama County between Red Bluff and Northerly Boundary, Guy T. Atkinson, Portland, Oregon, lowest bid, $216-125; Engineer's Estimate, $139,650.

Shasta County between Southerly Boundary and Redding, Guy T. Atkinson, lowest bid, $296,726; Engineer's Estimate $246,400.50.

Fresno County between Oil King School and Huron Road, James G. Donovan, Los Angeles, Cal., lowest bid, $220,969; Engineer's Estimate $160,-724.50.

The Commission has informed P. L. Burr of San Francisco, who presented the lowest bid for the construction of a section of State highway in Humboldt County between Dyerville and Fortuna, that his bid would be rejected. Mr. Burr's bid was $442,947.65; Engineer's Estimate $334,958.

LOS ANGELES, Cal.—Until 11 A. M., June 7, bids will be received by the Supervisors for the construction of oiled macadam pavement, corrugated metal pipe culverts, concrete headwalls, etc., in Road Improvement District No. 145, the work to be done under the R. D. I. Act of 1907. The project is 12,841 ft., or 2.43 miles in length, extending north from Pomona Blvd. to Merced Ave., to be paved with 5-in. oil macadam 22 ft. wide. The work involves 2806 cu. yds. excavation; 12,841 lin. ft. shaping road bed; 31,733 sq. yds. macadam pavement; 540 lin. ft. corrugated iron culvert; 6 cu. yds. concrete in headwalls; average haul for rock 4½ miles from Crushton and for culvert pipe 2.75 miles from S. P. siding at Puente. Estimated cost to contractor $33,949. County furnishes 5000 tons rock for macadam and 756 bbls. oil, estimated to cost $6750.

SACRAMENTO, Cal.—The California Highway Commission has ordered the paving of certain gaps in the State highway between Altamont and Greenville, Alameda County, a length of about .21 mile, on a day's labor basis, the sum of $5,540 having been allotted for the purpose.

# Official Proposals.

### BIDS WANTED FOR CONSTRUCTION OF OFFICERS' QUARTERS, SAN FRANCISCO.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 17, 1920—SEALED PROPOSALS will be opened in this office at **3 P. M., June 28, 1920**, for furnishing the labor required in the construction complete (including heating, plumbing, electric conduits, and wiring), with materials that will be furnished by the Government, of officers' quarters, for the United States Marine Hospital at San Francisco, Calif. Drawings and specifications may be obtained from the Supervising Superintendent of Construction, room 403, Post Office and Court House, San Francisco, Calif., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### BIDS WANTED FOR FURNISHING MATERIALS FOR CONSTRUCTION OF OFFICERS' QUARTERS, SAN FRANCISCO.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 17, 1920—SEALED PROPOSALS will be opened in this office at **3 P. M., June 28, 1920**, for furnishing materials for the construction of officers' quarters, for the United States Marine Hospital, San Francisco, California, including materials for concrete, sheet metal work, ceramic tile, lumber, mill work, painting, hardware, plumbing, heating, electric work, etc., in accordance with drawings, specifications and bills of quantities attached thereto, copies of which may be obtained from the Supervising Superintendent of Construction, room 403 Post Office and Court House, San Francisco, Calif., or at this office, in the discretion of the Supervising Architect.

Jas. A. Wetmore, Acting Supervising Architect.

### NOTICE TO CONTRACTORS

Inviting sealed proposals for the erection of a new five-room school building and additions to present building in Sunnyvale Grammar School District, County of Santa Clara, State of California.

Notice is hereby given that the undersigned trustees of the Sunnyvale Grammar School District, County of Santa Clara, State of California, will receive sealed bids at the Sunnyvale School House, Sunnyvale, County of Santa Clara, State of California, for the erection and completion (with plumbing, heating and tinning under separate contract) of a school building in said district up to the **hour of eleven o'clock A. M. on Wednesday, the ninth day of June, 1920**, at which time and place said bids will be publicly opened.

All bids must be addressed to Arthur E. Bessey, Clerk of the Sunnyvale Grammar School District, Santa Clara County, California, and must be accompanied by a certified check on some reliable bank in the State of California, made payable to the order of the aforesaid clerk of said Board of said School Trustees, in amount equal to at least ten (10) per cent of the bid so submitted, and no proposal will be considered by said Board unless accompanied by such check.

The said check to be forfeited to said Sunnyvale Grammar School District, as ascertained and liquidated damages in case the successful bidder fails or refuses to enter into a contract to perform the work, and give bonds hereinafter required, within ten days after the date of the award.

Said building is to be erected on the school property in the City of Sunnyvale, County of Santa Clara, State of California.

The plans and specifications for said building may be obtained from E. L. Norberg, architect, Bankers Investment Building, 742 Market Street, San Francisco, California, or from Miss Leslie G. Smith, Principal of the Sunnyvale School, at Sunnyvale.

Said building must be erected according to said plans and specifications and completed in ninety (90) working days from the date of the execution of the contract.

The bidder to whom the contract is awarded will be required at the time of the execution of the contract, and as a condition to the acceptance of his bid, to execute and file a good and sufficient bond, executed by a surety company, or by two responsible sureties to be approved by the said Board of Trustees of said district, in an amount of not less than fifty (50) per cent of the total amount payable under the terms of the contract, to secure the faithful performance of the contract and the full payment of claims for any material, or supplies of labor, of any kind whatsoever used in the construction of the said building to be constructed under the said contract.

The said Board of Trustees expressly reserves the right to reject any and all bids.

A deposit of $10 will be required from contracters for the safe return of plans and specifications.

Done by order of the Board of Trustees of the Sunnyvale Grammar School District, County of Santa Clara, State of California.

ELEANOR B. LARMON, Trustee.
REXFORD SHORES, Trustee.
ARTHUR E. BESSEY,
Clerk of the Board.
(33324) 1st report Feb. 10; 5th May

## BIDS WANTED FOR GOVERNMENT GARAGE

### NOTICE TO CONTRACTORS

Office Constructing Quartermaster, Fort Mason, San Francisco, Calif., May 27, 1920. Sealed proposals in triplicate, for constructing a Garage at Fort Miley, California, will be received here **until 11 A. M. June 12, 1920,** and then opened. Plans, specifications and information can be obtained here.

IRA L. FREDENDALL,
Lieutenant Colonel, Q. M. Corps.

## BIDS WANTED FOR NEVADA STATE HOSPITAL BUILDING. OPENING DATE EXTENDED.

### NOTICE TO BIDDERS.

NOTICE IS HEREBY GIVEN that the Board of Commissioners for the Care of Indigent Insane, Carson City, Nevada, will receive bids for the following items in the construction of an "Administration Building" on the grounds of the Nevada Hospital for Mental Diseases, near Reno, Nevada, according to official plans and specifications on file with said Commission, and the State Architect's Office, Reno, Nevada, viz:

1. General Construction.
2. Plumbing.
3. Electrical.

The drawings and specifications may be secured at the office of F. J. DeLongchamps, State Architect, Gazette Bldg., Reno, Nevada.

A deposit of $10.00 will be required for each set of drawings and specifications taken from the Architect's office.

Bids will be received at the office of the Commissioners for Care of Indigent Insane, Carson City, Nevada, not later than **11 A. M. on June 10, 1920.**

All bids shall be sealed in opaque envelopes and addressed to Commissioners for Care of Indigent Insane, Carson City, Nevada, and marked "Bid for Administration Building." Each bid shall be accompanied by a certified check amounting to at least 5 per cent of the amount bid.

The Commissioners for Care of Indigent Insane reserve the right to accept or reject any or all bids.

Authorized this 23rd day of April, of Indigent Insane.

J. H MYLES,
Clerk.
Board of Commissioners for Care of Indigent Insane.

NOTE:—The above is a two-story reinforced concrete building to cost approximately $200,000.

The original date of opening bids was May 25, 1920.

### NOTICE TO CONTRACTORS.

**Drawing and Specification No. 4191, covering Laundry Equipment, Naval Base, Marine Barracks, San Diego, Calif.**

Attention is invited to the fact that proposals will be opened in the near future on the work mentioned above.

The drawing and specification may be obtained on application to the Bureau in Washington, D. C., to the Commandant, Twelfth Naval District, 417 Sheldon Building, San Francisco, Cal., or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The laundry equipment will consist of motor-driven washers, extractors, and tumblers, dry room, electrically operated irons and shapers, and other accessories pertaining to a modern and efficient laundry. The Government will furnish some of this equipment, which will be installed by the contracter. Connections are to be made to electric, steam, return, waste, and water services at various points.

The estimated cost is $17,000.

R. L. MARTIN
Lieutenant Commander (CEC), U. S. N.,
By direction of Public Works Officer.
UNITED STATES NAVY YARD, Mare Island, California.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by undersigned **until 2 o'clock P. M., June 7, 1920,** for constructing the following sections of the State Highway System in Nevada.

State Highway from 0.42 miles south of Steamboat to Steamboat, Washoe County, 0.42 miles. Work consists of grading and installing culverts.

State Highway from Smiths Corners to Hudson Aurora Road, Lyon County, 2.27 miles. Work consists of grading and gravel surface and construction of culverts.

Plans may be examined and forms of proposals, contract and specifications secured at office of undersigned; may also be examined at the County Clerk's office in Reno and Yerington. Cash deposit of $15 with undersigned required for copy of plans which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department and accompanied by a certified check in an amount of 5% of the bid. Right is reserved to reject any or all bids.

C. C. COTTRELL.
State Highway Engineer.
Carson City, Nevada.

### NOTICE TO CONTRACTORS.

**Drawing and Specification No. 4192, covering Bakery Equipment, Naval Base, Marine Barracks, San Diego, Calif.**

Attention is invited to the fact that proposals will be opened in the near future on the work mentioned above.

The drawing and specification may be obtained on application to the Bureau in Washington, D. C., to the Commandant, Twelfth Naval District, 417 Sheldon Building, San Francisco, Calif., or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The bakery equipment will consist of electric ovens, motor driven dough and cake mixers, dough moulder, proofer, divider, rounder, and other accessories necessary to equip a modern and efficient bakery. Connections are to be made to electric, steam, return, waste, and water services at various points.

The estimated cost is $17,000.

R. L. MARTIN,
Lieutenant Commander (CEC), U. S. N.
By direction of Public Works Officer.
UNITED STATES NAVY YARD, Mare Island, California.
B

## STATE OF CALIFORNIA.

## DEPARTMENT OF ENGINEERING.

## CALIFORNIA HIGHWAY COMMISSION

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock, P. M., on June 14,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor to which special reference is made, portions of State highway as follows:

Tehama County, between Los Molinos and Red Bluff (11-Teh-3-D), about 14.5 miles in length to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
C. C. CARLETON,
Acting Secretary.
Dated May 17, 1920.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned until **2 o'clock P. M. June 7, 1920,** for the furnishing and fabrication, including such shop drawings as are necessary, **for one 126 foot Through Pratt Truss Span** with all shop connections completely riveted and all members and parts ready for erection, approximately 102,000 lbs. of structural steel.

Plans may be examined and forms of proposal, contract and specifications secured at the office of the undersigned; may also be examined at the county clerk's office in Eureka. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids **must** be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.
(May 18-20-22-25-27-29.)
Eng.

### NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, San Francisco, Calif., May 10, 1920. Sealed proposals in triplicate for constructing approximately Forty-Five (42) buildings (including plumbing, heating and lighting) consisting of Quarters, Barracks, Hangars, Shops, etc., also Concrete Ramps, etc., at Crissy Field, Presidio of San Francisco, Calif., will be received here **until 2 P. M., June 14, 1920,** and then opened. Plans, specifications, etc., can be seen at this office about May 10, 1920. Further information on application. A deposit of $20.00 will be required to insure return of plans, etc.

IRA L. FREDENDALL.
Lieutenant Colonel, Q. M. Corps.

### NOTICE TO CONTRACTORS

Inviting sealed proposals for the erection of a new five-room school building and additions to present building in Sunnyvale Grammar School

District, County of Santa Clara, State of California.

Notice is hereby given that the undersigned trustees of the Sunnyvale Grammar School District, County of Santa Clara, State of California, will receive sealed bids at the Sunnyvale School House, Sunnyvale, County of Santa Clara, State of California, for the erection and completion (with plumbing, heating and tinning under separate contract) of a school building in said district up to the **hour of eleven o'clock A. M. on Wednesday, the ninth day of June, 1920,** at which time and place said bids will be publicly opened.

All bids must be addressed to Arthur E. Bessey, Clerk of the Sunnyvale Grammar School District, Santa Clara County, California, and must be accompanied by a certified check on some reliable bank in the State of California, made payable to the order of the aforesaid clerk of said Board of said School Trustees, in amount equal to at least ten (10) per cent of the bid so submitted, and no proposal will be considered by said Board unless accompanied by such check.

The said check to be forfeited to said Sunnyvale Grammar School District, as ascertained and liquidated damages in case the successful bidder fails or refuses to enter into a contract to perform the work, and give bonds hereinafter required, within ten days after the date of the award.

Said building is to be erected on the school property in the City of Sunnyvale, County of Santa Clara, State of California.

The plans and specifications for said building may be obtained from E. L. Norberg, architect, Bankers Investment Building, 742 Market Street, San Francisco, California, or from Miss Leslie G. Smith, Principal of the Sunnyvale School, at Sunnyvale.

Said building must be erected according to said plans and specifications and completed in ninety (90) working days from the date of the execution of the contract.

The bidder to whom the contract is awarded will be required at the time of the execution of the contract, and as a condition to the acceptance of his bid, to execute and file a good and sufficient bond, executed by a surety company, or by two responsible sureties to be approved by the said Board of Trustees of said district, in an amount of not less than fifty (50) per cent of the total amount payable under the terms of the contract, to secure the faithful performance of the contract and the full payment of claims for any material, or supplies of labor, of any kind whatsoever used in the construction of the said building to be constructed under the said contract.

The said Board of Trustees expressly reserves the right to reject any and all bids.

A deposit of $10 will be required from contractors for the safe return of plans and specifications.

Done by order of the Board of Trustees of the Sunnyvale Grammar School District, County of Santa Clara, State of California.

ELEANOR B. LARMON, Trustee.
REXFORD SHORES, Trustee.
ARTHUR E. BESSEY,
Clerk of the Board

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WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing and delivering materials under the following schedules, the date of opening bids is noted at end of each paragragh.

Schedule 6141, for Mare Island, pump, motor, etc., opening June 1.

Schedule 6152, eastern and western yards, telegraphs, opening June 29.

Schedule 6153, Mare Island, various kinds paints, opening June 11.

Schedule 6156, eastern and western yards, flashlights and batteries, opening June 8.

Schedule 6172, eastern and western yards, white cotton waste, opening June 11

Schedule 6175, eastern yards, rubber pump valves, opening June 4.

## BUILDING MECHANICS FORMING UNIONS IN WOODLAND.

WOODLAND, Yolo Co., Cal.—Building mechanics are unionizing at such a rapid rate in the Woodland district that it will be but a short time until a Building Trades Council will be established here, according to those who are promoting the interests of the mechanics.

Painters, plumbers, hod carriers and carpenters are organized and with one more union organization of seven members will be entitled to a Building Trades Council Charter, composed of all unions. There are some fifty-five members unionized in the city at present outside of the typographical union which has a membership of sixteen.

## BIDS REJECTED FOR BISHOP UNION HIGH SCHOOL.

### Bond Election to be Called to Secure Additionnt Funds to Finance Construction.

BISHOP, Inyo Co., Cal.—Bids received for the construction of the Bishop Union High School have been rejected as sufficient funds to finance construction are not available. A bond election will be called to secure the amount necessary to complete the building according to plans.

R. W. Moller of San Francisco submitted the lowest bid for the structure at $150,846. It is planned to call new bids in about two weeks, according to W. H. Weeks, the architect.

## LUMBER COMPANY SUES.

RICHMOND, Cal.—The Tilden Lumber Company, John I. Collins and the Pacific Electric Company has filed suit against the Grant Meat Market of Richmond to recover approximately $2750 in material alleged to have been furnished the defendant for the construction of three homes in Richmond, work on which was stopped on January 15. The Tilden Lumber Company claims the defendant is indebted to it for $2093, the electric company claims a debt of $510 and Collins asks a judgment of $142.

## CONSOLIDATION OF THE GREAT EASTERN CASUALTY AND THE UNION INDEMNITY.

Our readers will be interested to learn of a merger between the Great Eastern Casualty Company of New York, which has been in successful operation for 28 years and which has a well established agency plant in 30 States, and the Union Indemnity Company of New Orleans, La., which was organized at the end of 1919 and has $1,000,000. capital and $1,000,000 surplus paid in with no expenses of organization.

The Union Indemnity Company took over the business of the New Amsterdam Casualty in Alabama, Arkansas, Louisiana, Mississippi and Tennessee. The Union Indemnity Company started writing business in January 1st, 1920 and at the end of the first four months had written over $350,000 in net premiums with most satisfactory results.

The Great Eastern Casualty Company of New York had a net premium income in 1919 of about $1,500,000 so that the merger of these interests will result in the creation of a Company of a sufficient size and financial responsibility to make it a decided factor in the fields of casualty and surety underwriting.

The Company will write all casualty lines as well as surety business and the interests controlling it are now completing plans for providing the Company's agents with facilities for Fire & Marine lines. The merger of the already established agency plants of the two companies will give it a nationwide business.

The Great Eastern Casualty Company has assets of about $1,600,000 and has built up a substantial and very carefully selected business and agency force since 1892.

The merged Companies will continue to be represented here by James C. Hayburn, who is well known to most of our readers, he having conducted an Agency Business here for the past 19 years. Mr. Hayburn will continue at his present location in the Insurance Exchange Bldg., No. 433 California St.

## NEW HOLLOW CEMENT BRICK IN ENGLAND

A booklet describing a new cement brick in England has been furnished the U. S. Bureau of foreign and domestic commerce by Alfred Nutting, clerk in the American consulate at London. Referring to it Mr. Nutting says: A new brick that has recently been introduced in England is nearly five times as large as an ordinary brick, but in comparison is much less heavy and is easily handled. The lighter weight results from the hollowing out of the brick to provide air layers. By the shaping of the ends the existence of joints running all the way through a wall is avoided.

The brick is, as a rule, made of 1 part of cement and 4 parts sand by simple hand machinery. Three men can make enough bricks in a day to build 400 to 500 square feet of wall. A further economy is effected by the manner of laying the walls, inasmuch as the ends and bottoms of the bricks need only to be dopped in a thin lime mortar mixed with a small amount of cement. If laid in the usual way the air channels in the bricks would become filled.

It may be added that slag, clinkers, sand and brick dust, mixed with cement, form suitable materials for these bricks.

## STRIKE LOSSES TOTALLED

NEW YORK.—An incomplete list of direct losses due to strikes in 1919 places the cost of labor in wages at nearly $725,000,000 and to industry at more than one and a quarter billion dollars. Francis H. Sisson, vice-president of the Guaranty Trust Company of New York, told the silver jubilee convention of the National Association of Manufacturers here.

## SAN DIEGO COUNCIL REJECTS CONTRACTOR'S CLAIM

SAN DIEGO, Cal.—The city council has rejected the claim of Contractor James Kennedy of Los Angeles, for $288,811 on the Lower Otay dam and has directed the city attorney to defend the city against it should suit be brought by Kennedy, which is anticipated. Kennedy's claim grows out of the suspension of his contract and is for equipment taken over by the city and a balance alleged to be due on the contract

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

## BUILDING CONTRACTS

### San Francisco County

| No. | Owner | Contractor | Amt. |
|---|---|---|---|
| 1380 | Beardsley | Duncan | 45721 |
| 1381 | Sorbi | Sorbi | 4000 |
| 1382 | Meyer | Meyer | 17100 |
| 1383 | Garvallio | Britt | 1900 |
| 1384 | Wobber | Zinkand | 1600 |
| 1385 | Sherith Israel | Hemminga | 5483 |
| 1386 | Stelter | Caranza | 500 |
| 1387 | Piscitello | Pearson | 500 |
| 1388 | Liberty | Zichesch | 850 |
| 1389 | Daniels | Fennell | 5242 |
| 1390 | Same | Mission | 20211 |
| 1391 | Same | Fennell | 5239 |
| 1392 | Same | Moniban | 1440 |
| 1393 | Same | Atlas | 1229 |
| 1394 | O'Brien | Kiernan | 15000 |
| 1395 | Sherith Israel | Hemminga | 5483 |
| 1396 | O'Neill | Petersen | 3850 |
| 1397 | Same | Mass | 3414 |
| 1404 | Cooks Union | Owners | 875 |
| 1405 | Uff | Whitaker | 500 |
| 1406 | Weikert | Jenkins | 1438 |
| 1407 | Brumet | Johnson | 2000 |
| 1408 | Hine | Prout | 900 |
| 1409 | Nelson | Owner | 4000 |
| 1410 | Reinhart | Owner | 500 |
| 1411 | Nelson | Owner | 39000 |
| 1412 | Curtaz | Owner | 21000 |
| 1413 | Van Zandt | Fink | 500 |
| 1414 | Baldwin | Barrett | 500 |
| 1415 | Loundin | Owner | 13000 |
| 1416 | Scovig | Owner | 650 |
| 1417 | Galland | Barrett | 500 |
| 1418 | MacKillop | Owner | 12000 |
| 1419 | Spring Valley | Olson | 1300 |
| 1420 | First National | Grace | 350,000 |
| 1421 | Wolcott | Hangerud | 3200 |
| 1422 | O'Connor | Arnott | 3325 |
| 1423 | Leib | Arthur | 2000 |
| 1424 | Cannon | Wilhelm | 900 |
| 1425 | Leighton's | Johnson | 650 |
| 1426 | Columbia | Monson | 50000 |
| 1427 | Joost | Sperisen | 500 |
| 1428 | Corbett | Western | 10000 |
| 1429 | Potter | Diestel | 3000 |
| 1430 | Muldoon | Cooper | 6000 |
| 1431 | Marsicano | Martinelli | 6950 |
| 1432 | Anderson | Olmo | 600 |
| 1433 | Scholz | Weish | 5000 |
| 1434 | Matson | Lindgren | 100000 |
| 1435 | Revere Inv. | Roth | 500 |
| 1436 | Mollenhauer | Lorenz | 500 |
| 1437 | Cordez | Haun | 500 |
| 1438 | Wshngtn Broom | Owner | 1000 |
| 1439 | Union Oil | Owner | 1000 |
| 1440 | Dutton | Jensen | 500 |
| 1441 | Planz | Hinson | 2478 |
| 1442 | Pierron | De Martini | 20000 |
| 1443 | Salvation Army | Owner | 5000 |
| 1444 | Green | Sullivan | 1165 |
| 1445 | Same | Fennell | 1150 |
| 1446 | McCarthy | Arnott | 3050 |
| 1447 | Wobber | Zinkand | 1600 |
| 1448 | Matraia | Jensen | 13289 |
| 1449 | First Nat'l. | Fuller | 15800 |
| 1450 | Knight | Vogt | 6823 |
| 1451 | Abrams | Deibel | 12750 |
| 1452 | Allred | Owner | 8000 |
| 1453 | Helbush | Owner | 15000 |
| 1454 | Sheahan | Diestel | 500 |
| 1455 | Rousseau | Owner | 14900 |
| 1456 | Crocker | Samuelson | 7800 |
| 1457 | Servardi | Bouret | 5000 |
| 1458 | Soares | Owner | 500 |
| 1459 | Victoria | Glaser | 1000 |
| 1460 | Hird | Western | 5240 |
| 1461 | McCarthy | Arnott | 2650 |
| 1462 | Columbia | Monson | 50765 |
| 1463 | Pranz | Hinson | 2487 |
| 1464 | Ratner | Mission | 14000 |
| 1465 | Kuhn | Unit | 62575 |
| 1466 | Wilson | Yukiewich | 2673 |
| 1467 | Hilder | Hill | 17000 |
| 1468 | Western Un. | Malloch | 1520 |
| 1469 | Sharon | Taylor | 261000 |
| 1470 | Levin | Phyima | 500 |
| 1471 | Gonzales | Ponsero | 3000 |
| 1472 | Towne | Rednall | 2250 |
| 1473 | First Nat'l | Spargo | 61250 |
| 1474 | Famous Players | Decker | 79982 |
| 1475 | Same | Spencer | 785 |
| 1476 | Same | Forber | 135300 |
| 1477 | Same | Lettich | 18230 |
| 1478 | Same | Van Emon | 4750 |
| 1479 | Same | Scott | 30120 |
| 1480 | Same | Pac Fire Ex | 6200 |
| 1481 | Same | Richardson | 9858 |
| 1482 | Same | Malott | 2134 |
| 1483 | Same | Mission Marble | 9920 |
| 1484 | Same | Stockholm | 33296 |
| 1485 | Same | Fibrestone | 762 |
| 1486 | Same | Palace | 3250 |
| 1487 | Balfour | Federal Orn | 10615 |
| 1488 | Same | Denivelle | 9188 |

### PERMITS

APARTMENTS
(1380) N BUSH 112 W Jones. Three-story and basement reinforced concrete (6) apartments.
Owner—E. W. Beardsley, 835 Hyde St., San Francisco.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
COST, $45,721

DWELLINGS
(1381) S ONONDAGA AVE 50 and 75 W Cayuga. Two one-story and basement frame dwellings.
Owner—A. Sorbi and A. Lertora, 353 Edinburgh St., San Francisco.
Architect—None.
Contractor—A. Sorbi, 353 Edinburgh St., San Francisco.
COST, $2000 each

FRAME DWELLINGS
(1382) E TWENTY-FIRST AVE 28, 52 and 76 S Clement. Three two-story and basement frame dwellings.
Owner—R. E. Meyer, 2628 Anza St., San Francisco.
Architect—None.
Contractor—Meyer Bros., 2628 Anza St., San Francisco.
COST, $5700 each

ALTERATIONS
(1383) NO. 65 JACKSON. Alter store fronts, flooring, etc., in hotel.
Owner—Mr. Carvallio, Premises.
Architect—None.
Contractor—O. W. Britt, 1115 Scott St., San Francisco.
COST, $1900

FRAME GARAGE
(1384) NO. 51 LOPEZ AVE. (Forest Hill). One-story frame private garage.
Owner—W. P. Wobber, Premises.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Ed. Zinkand & Son, 434 10th Ave., San Francisco.
COST, $1600

ALTERATIONS
(1385) NE CALIFORNIA AND WEBSTER. Alter hall building.
Owner—Congregation Sherith Israel, Premises.
Architect—Morris M. Bruce, Flood Bldg., San Francisco.
Contractor—W. L. Hemminga, 47 Ashbury St., San Francisco.
COST, $5183

ALTERATIONS
(1386) NO. 73 CUMBERLAND. Cement floor, etc., for basement garage.
Owner—H. M. Stelter, 216½ Dorland St., San Francisco.
Architect—None.
Contractor—G. Caranza, 374 Shotwell St., San Francisco.
COST, $500

ALTERATIONS
(1387) NO. 508 CAROLINA ST. Raise dwelling, underpinning and general repairs.
Owner—Tony Piscitello, Premises.
Architect—None.
Contractor—E. K. Pearson, 2372 Bryant St., San Francisco.
COST, $500

ALTERATIONS
(1388) NW SAN JOSE AVE AND Twenty-third St. Alter and repair store and flat.
Owner—Alfonso Liberty, 122 San Jose Ave., San Francisco.
Architect—None.
Contractor—Frank Zichesch, 29 Alvarado St., San Francisco.
COST, $850

### RECORDED

CLASS "C" BUILDING
(1389) SW LAGUNA AND SUTTER W 87-6x8 125 W A 232. Brick work, marble inserts, cementing firewalls, steel sash, folding gate for one-story and basement Class "C" building.
Owner—C. I. and H. J. Daniels.
Architect—O'Brien Bros., 246 Montgomery St., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.
Filed May 24, '20. Dated May 22, '20.
Brimk work scaffold height..$1310.50
Brick work to roof level..... 1310.50
Completed and accepted..... 1310.50
Usual 35 days..... 1310.50
TOTAL COST, $5242.00
Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

(1390) EXCAVATING, SIDEWALKS, curbing, concrete and cement work on above.
Contractor—Mission Concrete Co., Call Bldg., San Francisco.
Filed May 24, '20. Dated May 22, '20.
Wood forms for main floor in.$5000.00
Main floor poured..... 9000.00
Completed and accepted..... 1158.25
Usual 35 days..... 5052.75
TOTAL COST, $20,211.00
Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

(1391) CARPENTRY, MILL, HARDware, iron work for trusses and glazing on above.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.
Filed May 24, '20. Dated May 22, '20.
Ready for roofing.....$2000.00
Completed and accepted..... 1929.75
Usual 35 days..... 1309.75
TOTAL COST, $5239.00
Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

(1392) PLUMBING, ETC., ON ABOVE.
Contractor—Monihan & Slavin, 110 Jessie St., San Francisco.
Filed May 24, '20. Dated May 22, '20.
Roughed in .....$750
Completed and accepted..... 330
Usual 35 days..... 360
TOTAL COST, $1440
Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

(1393) ELECTRIC WIRING AND FIXtures on above.
Contractor—Atlas Electric Co., 110 Jessie St., San Francisco.
Filed May 24, '20. Dated May 22, '20.
50% of work completed.....$500.00
Completed and accepted..... 421.75
Usual 35 days..... 307.25
TOTAL COST, $1229.00
Bond, none. Limit, 20 days after roof framed. Firfeit, none. Plans and specifications filed.

STORE BUILDING
(1394) E GRANT AVE 97-6 S Pine S 40xE 60. All work for one-story and basement concrete and frame store building and mezzanine story.
Owner—R. J. O'Brien, 320 Sharon Bldg., San Francisco.
Architect—Arthur S. Bugbee, 320 Sharon Bldg., San Francisco.
Contractor—Kiernan & O'Brien, 320 Sharon Bldg., San Francisco.
Filed May 24, '20. Dated May 24, '20.
Payments semi-monthly of.... 75%
Usual 35 days..... 25%
TOTAL COST, $15,000
Bond, none. Limit, 90 days after May 24. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported May 24, 1920 No. 1375.

ALTERATIONS
(1395) NE CALIFORNIA AND WEBster. All work for alterations to Synagogue.
Owner—Congregation Sherith Israel, Premises.
Architect—Morris M. Bruce, Flood Bldg., San Francisco

Contractor—W. L. Hemminga, 47 Ashbury St., San Francisco.
Filed May 24, '20. Dated May 20, '20.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $5483.00
Bond, $5483. Surety, Maryland Casualty Co. Limit, June 10, 1920. Forfeit, none. Plans and specifications filed.
NOTE—Permit also reported today, No. 1385.

BRASS WORKS
(1396) SW FOURTH 30 NW Freelon NW 50xSW 80. Concrete work for one-story concrete building (brass works.)
Owner—Anastasia O'Neill, 68 Post St., San Francisco.
Architect—None.
Contractor—H. L. Petersen, 62 Post St., San Francisco.
Filed May 24, '20. Dated May 15, '20.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, $3850
Bond, $1925. Sureties, H. A. Hagan and R. Zelinsky. Limit, forfeit, none. Plans and specifications filed.
NOTE—Permit reported May 14, 1920 No. 1283.

(1397) ALL WORK EXCEPT CONcrete and cement work on above.
Contractor—Mass & McGahey, 566 Douglass St., San Francisco.
Filed May 24, '20. Dated May 24, '20.
Trusses are in place.....$853.50
Roof and glass in place..... 853.50
Building accepted ..... 853.50
Usual 35 days..... 853.50
TOTAL COST, $3414.00
Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS
(1404) NO. 83 SIXTH ST. Alter hall; painting, tinting, etc.
Owner—Cooks' Union, No. 44.
Architect—None.
Day's work. COST, $875

ALTERATIONS
(1405) NW GEARY AND TENTH AVE. New front for battery station.
Owner—Mr. Uff, 2130 Fillmore St., San Francisco.
Architect—None.
Contractor—S. H. Whitaker Co.
COST, $500

ALTERATIONS
(1406) MARKET ST. EXTENSION & Twenty-third. Move and reconstruct residence.
Owner—Jacob Weikert, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—J. A. Jenkine & R. Brown, 224 Falcon Ave., San Francisco.
COST, $1438

ALTERATIONS
(1407) NO. 318 DUNCAN. Raise, alter and add to dwelling.
Owner—Pierre Brumet, Premises.
Architect—None.
Contractor—Joel Johnson, 1411 Church St., San Francisco.
COST, $2000

ADDITION
(1408) NO. 152 NINTH AVE. One-story frame addition to private garage.
Owner—H. A. Hine, 2446 Vallejo St., San Francisco.
Architect—None.
Contractor—J. Prout, 2020 Turk St., San Francisco.
COST, $900

DWELLING
(1409) NE ULLOA AND MADRONE Ave. Two-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, 2 West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $4000

REPAIRS, ETC.
(1410) NO. 1660 SACRAMENTO. New flooring in basement, repair walls, etc.
Owner—A. Reinhart, 1201 Hearst Bldg., San Francisco.
Architect—None.
Day's work. COST, $500

APARTMENTS
(1411) E THIRTEENTH AVE 125 N Anza. Two-story and basement frame (8) apartments.
Owner—Emil Nelson, 39 Delmar St., San Francisco.
Architect—None.
Day's work. COST, $39,000

MANUFACTURING BLDG.
(1412) W SEVENTH 25 N Natoma. One-story and basement concrete light manufacturing building.
Owner—O. H. Curtaz, 519 Hayes St., San Francisco.
Plans by Owner.
Day's work. COST, $21,000

ALTERATIONS
(1413) NO. 712-716 MISSION. Erect metal lath and plaster partitions and 20' glass partitions.
Owner—Van Zandt Jacobs Co., 676 Mission St., San Francisco.
Architect—None.
Contractor—The Fink & Schindler Co., 218 13th St., San Francisco.
COST, $500

ALTERATIONS
(1414) SW FIFTEENTH AND VALencia. Remove wood joists and lay concrete floor.
Owner—Baldwin & Howell, 318 Kearny St., San Francisco.
Architect—None.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, $500

FRAME FLATS
(1415) SW ANZA & SEVENTEENTH Ave. Two-story and basement frame (4) flats.
Owner—Geo. A. Loundin, Care Architect.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. COST, $13,000

ALTERATIONS
(1416) E COLLINGWOOD 190 S Nineteenth. Replace wood steps with cement; cement basement floor, etc., of dwelling.
Owner—C. B. Soving, 734 9th Ave., San Francisco.
Architect—None.
Day's work. COST, $650

FOUNDATION
(1417) E EIGHTH 100 S Folsom. Construct foundation for engine.
Owner—Galland Mercantile Laundry, 8th St., bet. Folsom and Harrison, San Francisco.
Architect—None.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
COST, $500

FRAME FLATS
(1418) NE ANZA & SEVENTH AVE. Two-story and basement frame (4) flats.
Owner—Alex W. MacKillop, 685 40th Ave., San Francisco.
Architect—None.
Day's work. COST, $12,000

MOVE DWELLING
(1419) NO. 2771 SAN JOSE AVE. Move dwelling, foundations, etc.
Owner—Spring Valley Lumber Yard, 2401 San Jose Ave., San Francisco.
Architect—None.
Contractor—Olaf Olsen, 2771 San Jose Ave., San Francisco.
COST, $1300

ADDITION
(1420) W MONTGOMERY 75 N Post. Two and three-story and basement Class "A" addition to bank.
Owner—The First National Bank of San Francisco, Premises.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—Grace & Bernieri, 703 Market St., San Francisco.
COST, $350,000

MOVE RESIDENCE
NO. 2817 SAN JOSE AVE. Move residence from front of lot.
Owner—Valentine and Mary Davis, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
COST, $634
NOTE:—Recorded contract reported May 19, 1920, No 1336.

MOVE DWELLING
NO. 2561 SAN JOSE AVE. Move present building from front of lot.
Owner—Nellie A. and Edith A. Gordon Premises.
Architect—Lewis M. Gardner, 942 Pine San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
COST, $601
NOTE:—Recorded contract reported May 19, 1920, No. 1335.

MOVE RESIDENCE
NO. 2735 SAN JOSE AVE. Move residence from front of lot.
Owner—Henry V. Sagehorn, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Cotnractor—Henry C. Matthies, 180 Jessie St., San Francisco.
COST, $915
NOTE:—Recorded contract reported May 21, 1920, No. 1920, No. 1360.

NO. 2679 SAN JOSE AVE. Move residence from front of lot.
Owner—Ellen Neary, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
COST, $776
NOTE:—Recorded contract reported May 19, 1920, No. 1338.

**RECORDED.**

INSTALL WOODWORK
(1421) CLEMENT ST. Install woodwork at new store.
Owner—F. P. Wolcott.
Architect—None.
Contractor—A. A. Hangerud, 2745 16th St., San Francisco.
Filed May 25, '20. Dated May 22, '20.
Woodwork delivered at premises .....$1000
Work installed ready for finishing ..... 1000
Work completed..... 1200
TOTAL COST, $3200
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications, none.

COTTAGE
(1422) LOT 13, BLK. 7 LAKEVIEW. All work for two-story frame cottage.
Owner—Jos. R. and Rosalind O'Connor, 1560 Jackson St., San Francisco.
Plans by Contractor.
Contractor—James Arnott & Son, 2426 32 Ave., San Francisco.
Filed May 25, '20. Dated April 30, '20.
30 days after frame up..... 25%
30 days after brown coated.... 25%
30 days after completed and accepted ..... 25%
Usual 35 days thereafter..... 25%
TOTAL COST, $3325
Bond, none. Limit 90 days. Forfeit, $100. Plans and specifications, none.

**PERMITS.**

ALTERATIONS
(1423) NO. 335 MONTGOMERY. Alterations for offices.
Owner—Leib Keyston & Co., American National Bank Bldg., San Francisco
Architect—None.
Contractor—Geo. H. Arthur, 180 Jessie St., San Francisco.
COST, $2000

ALTERATIONS
(1424) W SECOND 50 N Folsom. Erect porch on roof.
Owner—Cannon Kip Memorial Day Nursery, Premises.
Architect—None.
Contractor—A. Wilhelm.
COST, $900

ALTERATIONS
(1425) NO. 15 MARKET ST. Alter front and re-arrange partitions in cafeteria.
Owner—"Leighton's," 900 Market St., San Francisco.
Architect—None.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.
COST, $650

STORE
(1426) SW MISSION AND TWENTY-second. Two-story and basement concrete store.
Owner—Columbia Outfitting Co., 2357 Mission St., San Francisco.
Architect—S. Heiman, 57 Post St., S. F.
Contractor—Monson Bros., 180 Jessie St., San Francisco.
COST, $50,000

ALTERATIONS
(1427) NO. 3045 SIXTEENTH ST. Cut hole through wall for door.
Owner—Joost Hardware Co., Inc., 3043 16th St., San Francisco.
Architect—John Sperisen, 3169 15th St., San Francisco.
Contractor—John Sperisen, 3169 15th St., San Francisco.
COST, $500

ALTERATIONS
(1428) NO. 1653 MARKET ST. Alter store into restaurant.
Owner—Corbett Grill, Premises.
Architect—None.

Contractor—Western Hardwood Mfg. Co., 1034 Golden Gate Ave., S. F.
COST, $10,000

REPAIRS
(1429) NO. 1549 PAGE. Repair fire damage to flats.
Owner—Louise Potter, Premises.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco.
COST, $3000

FACTORY
TWENTIETH ST. Bet. Shotwell and Folsom. Sheet metal work for one-story brick factory building.
Owner—National Radio Co., San Francisco.
Architect—Henry C. Smith, Humboldt Bk. Bldg., San Francisco.
Contractor—Guilfoy Cornice Works, 209 8th St., San Francisco.
COST, $2,443

PERMITS.

FRAME FLATS
(1430) S ANZA 90 E Sixteenth Ave. Two-story and basement frame (2) flats.
Owner—Thomas Wm. Muldoon, 1387 Baker St., San Francisco.
Architect—Wm. Smith.
Contractor—Wm. Cooper, 1863 Filbert St., San Francisco.
COST, $6000

WAREHOUSE
(1431) S BROADWAY 137-6 W Sansome. One-story and basement brick warehouse.
Owner—M. Marsicano, 781 Green St., San Francisco.
Architect—Paul F. De Martini, 2123 Powell St., San Francisco.
Contractor—J. Martinelli, 1427 Mason St., San Francisco.
COST, $6950

CHIMNEYS
(1432) COLON AVE. near Greenwood. Erect 20 patent chimneys.
Owner—N. A. Anderson, 1927 Napa St., Berkeley.
Architect—None.
Contractor—Frank Olmo, 3464 Mission St., San Francisco.
COST, $600

(1433) W FIFTEENTH AVE 72 S Lake. Two-story and basement frame
FRAME DWELLING
dwelling.
Owner—Paul Scholz.
Architect—None.
Contractor—James Welsh, 710 19th Ave., San Francisco.
COST, $5000

FRAME RESIDENCE
(1434) N JACKSON 137-6 E Octavia. Three-story and basement frame residence.
Owner—Lillie B. Matson, 1824 Jackson St., San Francisco.
Architect—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
COST, $100,000

(1435) NO. 739 MARKET. Erect marquise, 5'x12'.
Owner—Revere Investment Co.
Architect—A. N. Roth, 227 Stevenson St., San Francisco.
Contractor—A. N. Roth, 227 Stevenson St., San Francisco.
COST, $500

(1436) NO. 50 MARKET. New front and move partition.
Owner—J. Hoyle and Mrs. Mollenhauer, 48 Market St., San Francisco.
Architect—None.
Contractor—F. A. Lorenz, 182 5th St., San Francisco.
COST, $500

ALTERATIONS
(1437) SE MISSION AND TWENTY-first. Cement flooring, walls, etc., for store.
Owner—W. F. Cordez, 126 Post St., San Francisco.
Architect—None.
Contractor—C. C. W. Haun, 180 Jessie St., San Francisco.
COST, $500

ALTERATIONS
(1438) NO. 329 COMMERCIAL ST. Erect balcony in broom factory
Owner—Washington Broom Co., Prem.
Architect—None.
Day's work. COST, $1000

SUPPLY STATION
(1439) SW COTTER AND MISSION. Reconstruct automobile supply station.
Owner—Union Oil Co. of California, Union Oil Bldg., Los Angeles.
Architect—Owners.
Day's work. COST, $1000

REPAIRS
(1440) NO. 1120 HYDE. Repair fire damage to apartments.
Owner—J. Warren Dutton, Care B. P. Oliver, 246 Montgomery, S. F.
Architect—None.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
COST, $500

ALTERATIONS
(1441) NO. 245 POWELL. Alter hotel lobby; new tile floor, decorating, etc.
Owner—L. C. Planz, Premises.
Architect—Fabre & Thayer, 110 Sutter St., San Francisco.
Contractor—L. A. Hinson, 1228 Grove St., San Francisco.
COST, $2478

FRAME FLATS
(1442) W FRANKLIN 90 S Green. Two-story and basement frame (2) flats.
Owner—E. J. Pierron, 1796 Union St., San Francisco.
Architect—Fabre & Thayer, 110 Sutter St., San Francisco.
Contractor—Paul De Martini, 2689 Octavia St., San Francisco.
COST, $20,000

ALTERATIONS
(1443) SE VALENCIA AND HERMAN. Re-arrange partitions, etc., for offices.
Owner—Salvation Army, 417 Market St., San Francisco.
Architect—N. R. Coulter, 46 Kearny St., San Francisco.
COST, $5000

RECORDED

EXCAVATING, ETC.
(1444) NO. 1275 BUSH. Remove present brick foundation under west wall of building, excavating, holding up and bulkheading of building.
Owner—Robert Green.
Engineer—Maurice C. Couchot, 110 Sutter St., San Francisco.
Contractor—D. J. and T. Sullivan, Inc., 1942 Folsom St., San Francisco.
Filed May 27, '20. Dated May 25, '20.
On completion ..... 75%
Usual 35 days..... 25%
TOTAL COST, $1165
Bond, limit, forfeit, none. Plans and specifications filed.

(1445) UNDERPIN WITH BRICK west wall on above.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.
Filed May 27, '20. Dated May 26, '20.
Payments same as above.....
TOTAL COST, $1150
Bond, limit, forfeit, none. Plans and specifications filed.

FRAME COTTAGE
(1446) LOT 33 BLK 27, Lakeview. All work for frame cottage.
Owner—The McCarthy Co., 316 Bush St., San Francisco.
Plans by Contractor.
Contractor—James Arnott & Son, 2426 32nd Ave., San Francisco.
Filed May 27, '20. Dated Apr. 29, '20.
30 days after frame up..... 25%
30 days after brown coated.... 25%
30 days after completed and accepted ..... 25%
Usual 35 days..... 25%
TOTAL COST, $3050
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

GARAGE, ETC.
(1447) NO. 51 LOPEZ AVE. being Lot 18 Blk 16, Forest Hill. All work for one-story frame garage and trellis.
Owner—W. P. Wobber, Premises.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Ed Zinkand & Son, 431 10th Ave., San Francisco.
Fled May 27, '20. Dated May 24, '20.
Frame up .....$400
1st coat plaster on..... 400
Completed and accepted..... 400
Usual 35 days..... 400
TOTAL COST, $1600
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

GARAGE
(1448) SW MASON AND DIKEMAN Place W 60xS 20. All work for two-story and basement reinforced concrete garage.
Owner—Carlo Matraia, 1352 Bush St., San Francisco.
Architect—August G. Headman, Call Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed May 27, '20. Dated May 26, '20.
2nd floor joists in place.....$2000
Roof on ..... 2500
1st coat plaster on..... 2064
Completed and accepted..... 3400
Usual 35 days..... 3325
TOTAL COST, $13,289
Bond, $6645. Sureties, Patrick Hurley and Frederick W. Snook. Limit, 90 days. Forfeit, $15. Plans and specifications filed.
NOTE:—Permit also applied for today.

GLASS WORK
(1449) W MONTGOMERY 75 N Post W 160xN 100. Plate glass, wire plate glass, moss glass and glazing for two and three-story Class "A" building (offices and bank).
Owner—The First National Bank, Post and Montgomery Sts., San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—F. J. Fuller and A. A. Goepp (as Fuller & Goepp), 34 Davis St., San Francisco.
Filed May 27, '20. Dated May 21, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $17,000
Bond, $8500. Surety, The Aetna Casualty & Surety Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1450) SE MISSION 275-8 NE Second NE 71-4 SE 80 NE 6 in. SE 80 SW 97-6 NW 80 NE 25-8 NW 80. All work for alterations and additions to Class "C" building.
Owner—Mary H. Knight.
Architect—Nathaniel Blaisdell, 255 California St., San Francisco.
Contractor—Alfred H. Vogt, 185 Stevenson St., San Francisco.
Filed May 27, '20. Dated May 22, '20.
Ready for plaster.....$2558
Completed and accepted..... 2559
Usual 35 days..... 1706
TOTAL COST, $6823
Bond, none. Limit, 40 days. Forfeit, $10. Plans and specifications filed.

FRAME RESIDENCE
(1451 N CAMINO DEL MAR 40-0¾ E from W boundary line Lot 2, E 50 N 3 deg. 10 min. W 342-0¾, S 71 deg. 4 min. W 60 S 4 deg. 59 min. E 343-9¾ ptn. 2 and 3 Lyon & Hoag Sub. Bakers Beach Land Co. All work for two-story frame residence.
Owner—Albert Abrams, 2135 Sacramento St., San Francisco.
Architect—Henry C. Smith, Humboldt Bank Bldg., San Francisco.
Contractor—Louis Deibel, 2453 Buchanan St., San Francisco.
Filed May 27, '20. Dated May 27, '20.
Frame up ..... ¼
Enclosed and concreted..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $12,750
Bond, none. Limit, 130 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported May 6, 1920. No. 1172.

PERMITS

FRAME RESIDENCE
(1452) S CALIFORNIA 28-4 E 18th Ave. Two-story and basement frame residence.
Owner—C. S. Allred, 150 Onondaga Ave. San Francisco.
Architect—None.
Day's work. COST, $8000

AUTO SALES BLDG.
(1453) NE EDDY AND VAN NESS Ave. Three-story Class "C" auto sales building and store rooms.
Owner—H. H. Helbush, 40 Montgomery St., San Francisco.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.
Day's work. COST, $15,000

REPAIRS
(1454) NO. 965 GEARY. Repair fire damage to apartments.
Owner—T. Sheahan, Watsonville, Cal.
Architects—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco.
COST, $500

STORES
(1455) N POST 112-6 E Leavenworth. One-story brick stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—Rousseau & Rousseau, Inc., 110 Sutter St., San Francisco.
Day's work. COST, $14,900

FRAME DWELLING
(1456) S SEVILLE 250 and 275 E Naples. Two one-story and basement frame dwellings.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco.
COST, $3900 each

ALTERATIONS
(1457) NE STOCKTON AND BROADway. New show windows, doors, glazing, etc.
Owner—S. Servardi, 1300 Stockton St., San Francisco.
Architect—None.
Contractor—A. Bouret, 1419 Powell St., San Francisco.
COST, $500

FRAME DWELLING
(1458) W TWENTY-FOURTH AVE 150 S Vicente. One-story and basement frame dwelling.
Owner—James Soares, 439 7th Ave., San Francisco.
Architect—Owner.
Day's work. COST, $500

BAKE OVEN
(1459) SE VALLEJO & STOCKTON. Enlarge brick bake oven.
Owner—Victoria Baking Co., Premises.
Architect—None.
Contractor—J. P. Glaser & Co., 110 Jessie St., San Francisco.
COST, $1000

**RECORDED**

STORAGE TANKS
(1460) COM. 306-2 S ISLAIS and 690 E 3rd S 100xE 50. Two vegetable oil storage tanks.
Owner—Hind Rolph & Co, 230 California St., San Francisco.
Engineer—C. A. Watts, 24 California, St., San Francisco.
Contractor—Western Pipe and Steel Co., 444 Market St., San Francisco.
Filed May 28, '20. Dated May 13, '20.
Five days after all material delivered .....50% of contract
Five days after completion..... 25%
Balance 35 days after..... 25%
TOTAL COST, $5,240
Bond, $5630. Sureties, National Surety Co. Limit, none. Forfeit, none. Plans and specifications filed.

COTTAGE
(1461) S FLOOD AVE. 200 E Foerster Lot 19, Blk. 18 Sunnyside. All work for a one-story frame cottage.
Owner—The McCarthy Co., 316 Bush St., San Francisco.
Plans by contractor.
Contractor—James Arnott & Son, 2426 32nd Ave., San Francisco.
Filed May 28, '20. Dated Feb. 2, '20.
30 days after frame up..... 25%
30 days after brown coated..... 25%
30 days after completed and accepted ..... 25%
Usual 35 days..... 25%
TOTAL COST, $2,650
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported Mar. 27, 1920. No. 790.

BUILDING
(1462) SW MISSION AND TWENTYsecond 40 on Mission and 125 on 22nd. All work for a two-story and basement reinforced concrete Class "C" building (store).
Owner—Columbia Outfitting Co., 2357 Mission St., San Francisco.
Architect—S. Heiman, 57 Post St., San Francisco.
Contractor—Monson Bros., 180 Jessie St., San Francisco.
Filed May 28, '20. Dated May 27, 1919.
Concrete frame completed...$12691.25
White coated ..... 12691.25
Usual 35 days ..... 12691.25
TOTAL COST, $50,765
Bond, $25783. Sureties, E. T. Osborn and E. V. Long. Limit 100 days after June 1, 1920. Forfeit none. Plans and specifications filed.
NOTE—Permit reported May 27, 1920, No. 1426.

ALTERATIONS
(1463) 245 POWWELL. All work except painting light fixtures and finish hardware for alterations of Lobby of Hotel Anteiers.
Owner—L. C. Pranz, Premises.
Architect—Fabre & Thayer, 110 Sutter St., San Francisco.
Contractor—L. A. Hinson, 1228 Grove St., San Francisco.
Filed May 28, '20. Dated May 26 '20.
50% completed ..... $933
Completed ..... 932
Usual 35 days ..... 622
TOTAL COST, $2487
Bond, $1,245. Sureties, Arthur S. Bugbee and Chas. J. McDonnell. Limit, 20 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported May 28, 1920, No. 1441.

CONCRETE WORK
(1464) S POST 137-3 E HYDE E 27-6x S 137-6. Concrete work for four-story and basement Class "C" apartment house.
Owner—Hyman M. and Bertha Ratner, 821 Post St., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Mission Concrete Co., 845 Hyde St., San Francisco.
Filed May 28, '20. Dated May 21, '20.
2nd floor joists in.....$2500
3rd floor joists in..... 2500
4th floor joists in..... 2500
Completed ..... 3000
Usual 35 days ..... 3500
TOTAL COST, $14,000
Bond, $7000. Sureties, Edwin T. Peterson and J. S. Guerin. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported May 1, 1920, No. 1146.

GARAGE
(1466) S GEARY 137-6 E Larkin S 137-6xE 82-6. Concrete, reinforced concrete, steel, cement work, forms for concrete, steel sash, galvanized iron, roofing, carpentry, joinery, hardware, composition floor, marble and tile work, rough hardwate, glass and glazing, electric wiring and fixtures, interior and exterior plastering, Keens cement, painting, whitewashing, plumbing, sewering and hose casings for two-story and basement garage building.
Owner—A. C. Kuhn, Cr. Architects.
Architects—O'Brien Bros., Inc., 240 Montgomery St., San Francisco.
Contractor—Unit Construction Co., Phelan Bldg., San Francisco.
Filed May 28, '20. Dated May 26, '20.
On 1st and 15th of each month 90% of value of labor and materials...
Usual 35 days..... 10%
TOTAL COST, $62,575
Bond, $31,287.50. Sureties, James H. Hardy and C. S. Houghton. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit also applied for today.

ALTERATIONS
(1466) SW TURK AND TAYLOR. Alterations to store in Grand Hotel.
Owner—A. W. Wilson, Grand Hotel, San Francisco.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
Contractor—M. E. Vukicevich and Spencer B. Bagge as Vukicevich & Bagge, 180 Jessie St., San Francisco.
On 15th of each month..... 75%
Usual 35 days ..... 25%
TOTAL COST, $2673
Bond, $1,337. Sureties J. H. McCallum and Francis O'Reilly. Limit, 35 days after June 1, 1920. Forfeit, none. Plans and specifications filed.
Filed May 28, '20. Dated May 28, '20.
NOTE—Permit also applied for today.

FLATS
(1467) SW CABRILLO AND FIFTEENTH AVENUE. Two-story and basement frame (4) flats.
Owner—Mrs. Hilder, 746 9th Ave., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 707 42nd Ave., San Francisco.
COST, $17,000

REPAIRS
(1468) NO. 256 MONTGOMERY ST. Fill in brick wall openings—repair plaster walls, flooring, etc.
Owner—Western Union Telegraph Co., Bankers Investment Bldg., San Francisco.
Architect—None.
Contractor—J. S. Malloch, 180 Jessie St., San Francisco.
COST, $1,520

SHOW ROOMS
(1469) NW NEW MONTGOMERY AND HOWARD STS. Eight-story and basement reinforced concrete show rooms.
Owner—Sharon Estate Co., Sharon Bldg., San Francisco.
Architect—Kenneth Macdonald, Jr., 234 Pine St., San Francisco.
Contractor—Taylor and Goericke, Sharon Bldg., San Francisco.
COST, $264000

**PERMITS**

ALTERATIONS
(1470) NO. 1601 POST ST. Alter for store.
Owner—Lena Levin, San Jose, Cal.
Architect—None.
Contractor—K. Phyima, 1547 Laguna St., San Francisco.
COST, $500

ALTERATIONS
(1471) NO. 2837 TWENTY-FIFTH ST. Alter for basement garage; add two rooms to residence.
Owner—L. Gonzales, Premises.
Architect—None.
Contractor—Ponsero Bros., 10 Stark St., San Francisco.
COST, $3000

FRAME DWELLING
(1472) NO. 2838 UNION. Extend two-story and basement frame dwelling 12 feet.
Owner—James W. Towne, Premises.
Architect—None.
Contractor—W. W. Rednall, 2500 Filbert St., San Francisco.
COST, $2250

**RECORDED**

CONCRETE WORK, ETC.
(1473) W MONTGOMERY 75 N Post W 160xN 100. Concrete, fireproofing, cementing, grading, excavating, brick and masonry for two and three story and basement Class "A" building.
Owner—The First National Bank of San Francisco, NE Post and Montgomery Sts., San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—J. Spargo, 240 Montgomery St., San Francisco.
Filed May 29, '20. Dated May 28, '20.
5 days after 1st and 15th of each month ..... 75%
Usual 35 days..... 25%
TOTAL COST, $64,250
Bond, $32,125. Sureties, Mary J. Edgar and D. J. Sullivan. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ELECTRICAL WORK
(1474) SE JONES AND GOLDEN GATE Ave. E 162-6 S 131-7¾ SW 159.9 W 32-10½ N 275. Electrical work for Class "A" theatre building.
Owner—Famous Players Lasky Corpn., Pacific Bldg., San Francisco.
Architect—Alfred H. Jacobs, 110 Sutter St., San Francisco.
Contractor—Decker Elec. Constr. Co., 149 New Montgomery St., S. F.
Filed May 29, '20. Dated May 24, '20.
1st floor slab roughed in.....$ 6,000
Upper and lower mezzanine slab roughed in ..... 4,000
Organ chambers roughed in.. 1,000
Wires pulled in..... 9,000
Basement panels set..... 15,000
Dimmers set ..... 10,000
Completed ..... 11,986
Usual 35 days..... 19,996
TOTAL COST, $79,982
Bond, $79,982. Surety, Hartford Accident & Indemnity Co. Limit, without

delay. Forfeit, none. Plans and specification filed.
NOTE:—Permit reported April 23, 1920, No. 1061.

(1475) SPENCER TURBINE CLEANER on above.
Contractor—F. B. Drew, Representative of Spencer Turbine Co., Phelan Bldg., San Francisco.
Filed May 29, '20. Dated Apr. 26, '20.
Completed .....$588.75
Usual 35 days..... 196.25
TOTAL COST, $785.00
Bond, none. Limit, as required. Forfeit, none. Plans and specifications filed.

(1476) CONCRETE FIREPROOFING on above.
Contractor—Richard J. H. Forbes, 681 Market St., San Francisco.
Filed May 29, '20. Dated May 13, '20.
Work around building poured up to 5' 10" level.....$15,000
Same up to 22' 4".....12,000
Same up to 38' 5".....10,000
Same up to 50' 7".....12,000
Same up to 68' 9".....12,000
Same up to 84'.....10,000
Same up to 85' 6".....10,000
Completed and accepted..... 20,475
Usual 35 days..... 33,825
TOTAL COST, $135,300
Bond, $135,000. Surety, Hartford Accident & Indemnity So. Limit, 85 days. Forfeit, none. Plans and specifications filed.

(1477) PLUMBING ON ABOVE.
Contractor—A. Lettich, 365 Fell St., San Francisco.
Filed May 29, '20. Dated May 5, '20.
Roughed in .....$115.00
Completed and accepted..... 4557.50
Usual 35 days..... 4557.50
TOTAL COST, $18,230.00
Bond, $18,230. Surety, Hartford Accident & Indemnity Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(1478) ELEVATOR WORK ON ABOVE.
Contractor—B. C. Van Emon Elevator, Inc., 235 First St., San Francisco.
Filed May 29, '20. Dated Apr. 26, '20.
On removal of 4 elevators.....$1000
Machines for 2 elevators on concrete foundations ..... 1000
All work in connection with these two elevators completed..... 1150
Hydro electric elevator in place 800
On acceptance of same..... 400
Usual 35 days..... 400
TOTAL COST, $4750
Bond, $4750. Surety, Hartford Accident & Indemnity Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

(1479) VENTILATING AND HEATING on above.
Contractor—Scott Co., 243 Minna St., San Francisco.
Filed May 29, '20. Dated May 13, '20.
Steam piping roughed in.....$4400
Galvanized iron ducts above basement in ..... 5000
Galvanized iron ducts in basement in ..... 2200
Fans throughout and 2 air washers in basement in..... 7000
Electric motors in..... 2500
Completed ..... 1715
Usual 35 days..... 7605
TOTAL COST, $30,420
Bond, $30,420. Sureties, Hartford Accident & Indemnity Co. Limit, ——. Forfeit, none. Plans and specifications filed.

(1480) SPRINKLER SYSTEM ON above.
Contractor—Pacific Fire Extinguisher Co., 410 Howard St., San Francisco
Filed May 29, '20. Dated May 6, '20.
As work progresses..... 75%
On acceptance ..... 25%
TOTAL COST, $6200
Bond, $6200. Surety, Hartford Accident & Indemnity Co. Limit, ——. Forfeit, none. Plans and specifications filed.

(1481) TILING AND MOSAIC WORK on above.
Contractor—Eric H. Richardson, 77 O'Farrell St., San Francisco.
Filed May 29, '20. Dated May 3, '20.
Ceramic tile and white tile laid .....$652.50
Tile domes and panels below them set..... 975.00
Facade panels set..... 1575.00
Tile in vestibule..... 1200.00
Tile in foyer & passages laid 2391.00
Tile in smoking room laid.. 600.00
Usual 35 days..... 2464.50
TOTAL COST, $9858.00
Bond, $9858. Surety, Hartford Accident & Indemnity Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(1482) KOMPOLITH WORK ON above.
Contractor—Malott & Petersen, Monadnock Bldg., San Francisco.
Filed May 29, '20. Dated May 11, '20.
Completed and accepted....$1600.50
Usual 35 days..... 533.50
TOTAL COST, $2134.00
Bond, $2134. Surety, Hartford Accident & Indemnity Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(1483) MARBLE TERRAZZO, ETC., on above.
Contractor—The Mission Marble Wks., 363 Guerrero St., San Francisco.
Filed May 28, '20. Dated May 19, '20.
Marble work in outer and inner Market St. vestibule done.....$600
All work on 1st floor done.....1338
Terrazzo stairs, strings, tile treads and tile landings laid.. 750
Marble work in mezzanine set..1338
Marble work in Golden Gate Ave. outer and inner vestibules laid ..... 500
Completed .....2554
Usual 35 days .....2840
TOTAL COST, $9,920
Bond, $9,920. Sureties, Hartford; Limit, as required. Forfeit, none. Plans and specifications filed.

(1484) CARPENTRY, MILL AND joinery and composition roofing and finish hardware.
Contractor—Charles Stockholm & Sons., Monadnock Bldg., San Francisco.
Filed May 29, '20. Dated May 18, '20.
Grounds, bucks and nailing blocks in and composition roof on .....$4500
Standing finish on.....$10,000
Completed .....10,472
Usual 35 days..... 8,324
TOTAL COST, $33,296
Bond, $33,296. Sureties, Hartford Accident and Indemnity Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(1485) ROOF COVERING FOR TWO towers.
Contractor—Fibrestone and Roofing Co., 199 10th St., San Francisco.
Filed May 29, '20. Dated April 28, '20.
Completed .....$571.50
Usual 35 days ..... 190.50
TOTAL COST, $762
Bond, none. Limit, as required. Forfeit, none. Plans and specifications filed.

((1486) HARDWARE ON ABOVE.
Contractor—Palace Hardware Co., 581 Market St., San Francisco.
Filed May 29, '20. Dated May 17, '20.
Upon delivery of all hardware .....$2437.50
Usual 35 days ..... 812.50
TOTAL COST, $3250
Bond, $3250. Surety, Hartford Accident & Indemnity Co. Limit, as required. Forfeit, none. Plans and specifications filed.

OFFICE BUILDING
(1487) SE CALIFORNIA AND SANsome S 89xE 129-9¾. Ornamental iron and metal work for fifteen-story Class "A" office building.
Owner—The Balfour Guthrie Inv. Co., by P. J. Walker Co., Agt., Monadnock Bldg., San Francisco.
Architect—None.
Contractor—Federal Ornamental Iron Range Co., 16th and San Bruno Ave., San Francisco.
Filed May 29, '20. Dated May 24, '20.
Monthly payments ..... 75%
Usual 35 days..... 25%
TOTAL COST, $10,615
Bond, $5308. Sureties, The Fedelity & Casualty Co. Limit, as required. Forfeit, none. Plans and specifications filed.

(1488) ORNAMENTAL PLASTER AND artificial stone work on above.
Contractor—Paul E. Denivelle, 280 Golden Gate Ave., San Francisco.
Filed May 29, '20. Dated May 24, '20.
Payments same as above.....
TOTAL COST, $9,188
Bond, $4,394. Sureties, London Lancashire Indemnity Co. Limit, as required; Forfeit, none. Plans and specifications filed

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Or any Construction Equipment
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C. A. Smith, Claremont Court.
A. Mereen, Claremont Court.
Redwood City.
E. R. Diamond, Portola Road.
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NOTICE OF NON-RESPONSIBILITY.

San Francisco County.

May 24, 1920—S BUSH 68-6 E Powell E 69xS 67-6. Geo A Webster as to improvements on leased property.
May 28, 1920—SE GEARY AND FILLmore, 1556-8 and 1560 Fillmore. Emma Gates Butler as to improvements on leased property.....

LEASES.

San Francisco County.

May 28, 1920—SE BUSH AND SANsome, 30 on Sansome and 90 on Bush. Caroline L Land to Cooper Under-

wear Co 2 years. $3,900.
May 28, 1920—NO. 520 COLUMBUS AVE. and 1513 Stockton. Leon Lewin to George P. Eliopolos. 5 years. $5400.
May 28, 1920—SW FIFTEENTH AND San Bruno Ave. W 67.9½ S 150 E 67½ N 150. The California School of Mechanical Arts to Sanford G. Lewald Co. 10 years. $18,000.

## COMPLETION NOTICES

### San Francisco County

May 22, 1920—S JUDAH 107-6 W 11th Ave. Bet. 11th and 12th Ave. Charles and Christian Andersen to whom it may concern...May 21, 1920
May 22, 1920—E MISSION 125 S 18th. Lotta P. Rossler to P. P. Quinn.... .....May 17, 1920
May 24, 1920—NW ELLIS & JONES L C and Katherine T Mendel to C Petersen Co.....May 18, 1920
May 25, 1920—W CURTIS 23 S Rolph S 50xW 107. Martin Smith to whom it may concern.....May 24, 1920
May 25, 1920—NOS. 240-242 WALLER N Waller 167-6 W Buchanan W 25 xN 120. Robert G Black to whom it may concern.....May 21, 1920
May 26, 1290—LOT 16 BLK 3 Map Northbrae, Berkeley. Berkeley Development Co. to Mason McDuffie Co.....May 24, 1920
May 26, 1920—LOT 6 and PORT LOT 7, Blk. F Map Lakeshore Terrace, Oakland. Elmer S. Church to F. P. Butterfield.....May 10, 1920
May 25, 1920—LOT 7 BLK. F Map Lakewood Park Tract, Oakland. Edna Lucile Steele to Joseph Parker & Son.....May 25, 1920
May 26, 1920—N POST 80 E Jones E 60xN 60. A F Rousseau to whom it may concern.....May 25, 1920
May 26, 1920—W THIRTY-SIXTH Ave 125 S Lincoln Way S 25x120. Edward L Landegren to whom it may concern.....May 26, 1920
May 26, 1920—W THIRD AVE 156-9¼ S Cabrillo S 34xW 120. Howard H Morris to whom it may concern... .....May 25, 1920
May 26, 1920—W FORTY-SECOND Ave 25 S Balboa S 25xW 81-6. Thos Hamill to whom it may concern .....May 26, 1920
May 26, 1920—COMG. 137-6 S HAYES and 27-6 E Gough E 27-6xS 120. The McClure Investment Co to The American Concrete Co..May 24, 1920
May 27, 1920—S FULTON 87-6 W Gough. Harry Smnth, Jno F Smith to A D Collman.....Mar. 21, 1920
May 27, 1924—E SEVENTEENTH Ave 296-1 S California S 25xE 120. Ida Zwillinger to whom it may concern.....May 24, 1920
May 27, 1920—S SACRAMENTO 171-10 E Hyde; No. 1451 Sacramento. J Gibbs to whom it may concern .....May 27, 1920
May 27, 1920—NE VALLEJO AND Buchanan E 50xN 137-6. B F Schlesinger to Walter Sorensen.. .....May 8, 1920
May 27, 1920—SE CALIFORNIA AND Sansome S 89xE 129-9¾. The Balfour-Guthrie Investment Co to J G Williams (as J G Williams Constr. Co.).....May 22, 1920
May 27, 1920—S SUTTER ST. 297 W High St. S 98 W 35, Oakland. Waterfront Sash and Door Co., Inc. to whom it may concern..... .....May 24, 1920
May 27, 1920—LOT 12 BLK "A" Map Batchelder Tract, Bkly. Amelia H Armstrong to R W Littlefield... .....May 26, 1920
May 28, 1920—SW THIRTY-FIFTH & Grove being No. 3435 Grove St., Okd. Joseph and Mary Gezo to Axel Sommarstrom.....May 22, 1920

## LIENS FILED.

### San Francisco County

May 21, 1920—LOT 33, BLK. 19, Fairmount Tract. The Greater City Lumber Co. ve. Fidelity Building & Loan Association.....$23.45
May 21, 1920—S. PINE 60 W Stockton S 100xW 50. Harry Mills $52.25; George Morley $46.75 vs. J. C. and Anna Hladik .....
May 24, 1920—S BROADWAY 130 W Laguna W 41-10½ S 137-6 E 34.41½ N 9-9¾ E 7-6 N 127-8¾. J. F. Gunther and E. T. Porter vs. Lillie H. McCormick and E. W. Goodrich .....$730.20

## BUILDING CONTRACTS

### Alameda County

| | | | |
|---|---|---|---|
| 1196 | Attebery | Owner | 3500 |
| 1197 | Laymance | Rose | 1406 |
| 1198 | Kisich | Corbett | 450 |
| 1199 | Werner | Werner | 2500 |
| 1200 | Burns | Gede | 900 |
| 1201 | Roth | Owner | 700 |
| 1202 | Stienbeck | Austey | 5000 |
| 1203 | Hellenic Com. | Palmer | 23205 |
| 1204 | Calkin | Broad | 500 |
| 1205 | Elder | Roust | 930 |
| 1206 | Woolsey | Broad | 500 |
| 1207 | Shell | Gutleben | 2000 |
| 1208 | Snyder | Trobock | 10242 |
| 1209 | Schultze | Koller | 18000 |
| 1210 | Schultze | Koller | 9000 |
| 1211 | Campbell | Hull | 437 |
| 1212 | Loretzen | Ils | 500 |
| 1213 | Stelle | Burritt | 10000 |
| 1214 | Bailey | Rich | 3500 |
| 1215 | Meeth | Owner | 6000 |
| 1216 | Cerruti | Rutherford | 8250 |
| 1217 | Jeffries | Barnett | 600 |
| 1218 | Sims | Wieslander | 1000 |
| 1219 | Briggs | Fleischer | 1000 |
| 1220 | Bowring | Stolte | 4000 |
| 1221 | Same | Same | 4000 |
| 1222 | Snyder | Trobock | 10242 |
| 1223 | Billesback | Hauri | 5200 |
| 1224 | Pollard | Strang | 8000 |
| 1225 | Lakeshore | Strang | 6500 |
| 1226 | Same | Same | 6500 |
| 1227 | Bailey | Marquis | 1000 |
| 1228 | Stone | Stone | 3000 |
| 1229 | Stone | Stone | 3000 |
| 1230 | Keane | Keane | 3500 |
| 1231 | Stoddard | Hutton | 1600 |
| 1232 | Osterdock | Owner | 612 |
| 1233 | Lorber | Fish | 3500 |
| 1234 | Stone | King | 700 |
| 1235 | Graff | Jackson | 8500 |
| 1236 | Sehl | Owner | 1000 |
| 1237 | King | Owner | 500 |
| 1238 | Kopperud | Harper | 30000 |
| 1239 | Newman | Owner | 500 |
| 1240 | Bordwell | Allen | 1500 |
| 1241 | Fife | Allen | 500 |
| 1242 | Gen. Accessories | Owner | 1000 |
| 1243 | Lee | Jones | 486 |
| 1244 | Morton | Owner | 650 |
| 1245 | Parker | Greuner | 3500 |
| 1246 | Lloyel | Owner | 450 |
| 1247 | Rose | Bruce | 795 |

DWELLING
(1196) SW FORTY-SECOND AND Carrington, Oakland. One and one-half-story five-room dwelling.
Owner—A. R. Attebery, 2157 41st Ave., Oakland.
Architect—None.
Day's work. COST, $3500

FIRE REPAIRS
(1197) NO. 842 FIFTH AVE., Oakland. Fire repairs.
Owner—M. J. Laymance, 1515 Franklin St., Oakland.
Architect—None.
Contractor—A. H. Rose, 525 17th St., Oakland. Cost, $1406

ALTERATIONS
(1198) NO. 414 THIRTEENTH ST., Oakland. Alterations.
Owner—Mrs. P. Kisich.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland. COST, $450

DWELLING
(1199) E BAKER 110 N Russell, Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. COST, $2500

ADDITION
(1200) NO. 862 CONTRA COSTA ROAD, Berkeley. Addition.
Owner—F. G. Burns, Premises.
Architect—None.
Contractor—Henry Gede, 2309 Russell St., Berkeley. COST, $900

ADDITION
(1201) NO. 1526 HENRY ST., Berkeley Addition.
Owner—Arnold E. Roth, Premises.
Architect—None.
Day's work. COST, $700

COLD STORAGE BOX, ETC.
(1202) SECOND AND HARRISON STS., Berkeley. Cold storage box, chill room, and storage room
Owner—H. C. Stienbeck.
Architect—None.
Contractor—F. J. Austey, 2766 Grove St., Oakland. COST, $5000

CHURCH
(1203) S E TENTH AND BRUSH STS. E 80 S 100, Oakland. Concrete church.
Owner—Hellenic Community of Oakland and Vicinity.
Architect—Clay N. Burrell, First Savings Bank Building, Oakland.
Contractor—Palmer and Petersen, Monadnock Bldg., San Francisco.
Filed May 24 '20. Dated May 24, '20.
First story rough floor laid...$3315
Roofing on..... 6630
Plastered ..... 3315
Interior finish on..... 3315
Completed and accepted..... 3315
Usual 35 days..... 3315
TOTAL COST, $23205
Bond, none. Forfeit, none. Limit, 100 days. Plans and specifications filed.

ALTERATIONS
(1204) NO. 2710 CLAREMONT BLVD., Berkeley. Alterations.
Owner—J. N. Calkim, premises.
Architect—None.
Contractor—A. H. Broad, 2117 Kittridge, Berkeley. COST, $500

ALTERATIONS AND ADDITION
(1205) NO. 2626 ETNA ST., Berkeley. Alterations and addition.
Owner—Paul Elder, premises.
Architect—None.
Contractor—A. Roust, 6508 Raymont St., Oakland. COST, $930

ALTERATIONS
(1206) NO. 2108 SHATTUCK AVE., Berkeley. Alterations.
Owner—W. E. Woolsey, Hotel Whitecotton.
Architect—None.
Contractor—A. H. Broad, 2117 Kittridge St., Berkeley. COST, $500

OIL STATION
(1207) SW COR. SHATTUCK AND Channing, Berkeley. Oil station.
Owner—Shell Oil Co., San Francisco.
Architect—None.
Contractor—Gutleben Bros., Call Bldg., San Francisco. COST, $2000

DWELLING AND GARAGE
(1208) NO. 115 PARK SIDE DRIVE, Berkeley. One and one-half story dwelling and garage.
Owner—B. F. Snyder, 107 Park Side Drive, Berkeley.
Architect—None.
Contractor—B. A. Trobock, 1304 Myrtle St., Oakland. COST, $10242

### PERMITS

STATION
(1209) N FOURTEENTH ST. 100 W Webster St., Oakland. One-story concrete station.
Owner—E. C. Schultze, 1102 Federal Building, Oakland.
Architect—None.
Contractor—Karl S. Koller, Federal Building, Oakland. COST, $18000

STORES AND OFFICES
(1210) W WEBSTER ST. 100 N 14th St., Oakland. One-story concrete stores and offices.
Owner—E. C. Schultze, 1102 Federal Building, Oakland.
Architect—None.
Contractor—Karl S. Koller, Federal Building, Oakland. COST, $9000

ADDITION
(1211) NO. 5380 MILES AVE., Oakland. Addition.
Owner—John Campbell, Premises.
Architect—None.
Contractor— W. E. Hull, 5709 Shafter Ave., Oakland. COST, $437

RANGE
(1212) NO. 408 THIRTEENTH ST., Oakland. French range.
Owner—H. Loretzen.
Architect—None.
Contractor—John G. Ils & Co., 839 Mission St., San Francisco. COST, $500

DWELLING
(1213) COR. LINCOLN AND SHERI-

dan Aves., Piedmont. Two and one-half story frame dwelling.
Owner—Mrs. E. E. Stelle, 135 Hillside Ave., Oakland.
Architect—None.
Contractor—O. L. Burritt, 427 63rd St., Oakland.
COST, $10,000

DWELLING AND GARAGE

(1214) LOT 8 LAKEWOOD PARK, Piedmont. One and one-half story frame dwelling and garage.
Owner—F. E. Bailey, 1803 Carlton, Berkeley.
Architect—None.
Contractor—J. L. Rich, 917 42nd St., Oakland.
COST, $3,500

DWELLING
(1215) W CAPELL ST. 100 S Prospect St., Oakland. One and one-half story dwelling.
Owner—Conrad Meeth, 556 56th St., Oakland.
Architect—None.
Day's work. COST, $6000

DWELLING AND GARAGE
(1216) W GRAND AVE. 40 Bonham Way, Oakland. Two-story seven-room dwelling and garage.
Owner—August Cerruti, 909 San Antonio Ave., Alameda.
Architect—None.
Contractor—Thos. Rutherford, 985 35th St., Oakland.
COST, $8250

ALTERATIONS
(1217) S FIFTY-FIFTH ST. 70 W Grove St., Oakland. Alterations.
Owner—R. E. Jeffries, Premises.
Architect—None.
Contractor—H. M. Barnett, 859 Aileen St., Oakland.
COST, $600

ALTERATIONS
(1218) NO. 4131 GILBERT ST., Oakland. Alterations.
Owner—Wm. Sims, Premises.
Architect—None.
Contractor—J. D. Wieslander, 4102 Gilbert St., Oakland.
COST, $1000

ALTERATIONS
(1219) NO. 1331 BONITA, Oakland. Alterations and repairs.
Owner—Briggs.
Architect—None.
Contractor—C. Fleischer, 2032 Bancroft Way, Oakland.
COST, $1000

DWELLING
(1220) LOT 165 Subdivision 22 Map Resubdivision Peralta Park, Berkeley. All work for one-story 5-room dwelling.
Owner—F. Bowring, Oakland.
Architect—None.
Contractor—F. C. Stolte, 3456 Wilson Ave., Oakland.
Filed May 26, '20. Dated May 26, '20.
Frame up ..... ¼
Plastered ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING.
(1221) W CARLOTTA AVE., being Lot 23 and N 8.33 Lot 24 Sbdvn No. 21 Map Resubdivision Peralta Park, Berkeley. All work for one-story 5-room dwelling.
Owner—F. Bowring, Oakland.
Architect—None.
Contractor—F. C. Stolte, 3456 Wilson Ave., Oakland.
Filed May 26, '20. Dated May 26, '20.
Frame up ..... ¼
Plastered ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $4000
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING AND GARAGE
(1222) N PARKSIDE DRIVE adj. No. 107 Parkside Drive, Berkeley. All work for two-story frame dwelling and garage.
Owner—B. E. Snyder, 107 Parkside Drive, Berkeley.
Architect—None.
Contractor—B. A. Trobock, 1301 Myrtle St., Oakland.
Filed May 26, '20. Dated May 18, '20.
Roof completed ..... $2700
Plastered ..... 2500
Completed ..... 2500
Usual 35 days..... 2742
TOTAL COST, $10,242
Bond, $5150 in escrow in Bank of Italy. Limit, 125 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported May 26, 1920 No. 1208.

DWELLING
(1223) LOT 16, BLK B Map Lakeshore Terrace, Oakland. One-story frame dwelling.
Owner—Mr. and Mrs. L. Billesback, 1227 Magnolia, Oakland.
Architect—None.
Contractors — John Hauri, Herman Wierk, Nicholas Wierk (Hauri & Wierk), 822 56th St., Oakland.
Filed May 26, '20. Dated May 19, '20.
Frame up ..... $1000
Plastered ..... 1450
Completed ..... 1450
Usual 35 days..... 1300
TOTAL COST, $5200
Bond, none. Limit, none. Forfeit, none. Plans and specifications filed.

DWELLING
(1224) E HUBERT ROAD 50 S Sunnyhill Road, Oakland. Two-story seven-room dwelling.
Owner—W. H. Pollard.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $8000

DWELLING
(1225) S HUBERT ROAD 110 E Sunnyhill Road, Oakland. Two-story six-room dwelling.
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $6500

FRAME DWELLING
(1226) N SUNNYHILL ROAD 140 E Hubert Road, Oakland. Two-story 6-room frame dwelling.
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $6500

ALTERATIONS
(1227) NO. 5788 SHAFTER AVE., Oakland. Alterations.
Owner—Clara E. Bailey, Premises.
Architect—None.
Contractor—E. M. Marquis, 2827 Russell St., Berkeley.
COST, $1000

DWELLING
(1228) SW EDES AND DOUGLASS, Oakland. One-story 5-room dwlg.
Owner—E. B. and A. L. Stone, Claus Spreckels Bldg., San Francisco.
Architect—None.
Day's work. COST, $3000

DWELLING
(1229) E NINETY-SECOND AVE 175 S "A" St., Oakland. One-story four-room dwelling.
Owner—E. B. and A. L. Stone, 804 Claus Spreckels Bldg., San Francisco.
Architect—None.
Day's work. COST, $3000

DWELLING
(1230) N KEITH AVE 467 E Fryal Ave., Oakland. One-story five-room dwelling.
Owner—D. J. Keane, 3918 Telegraph Ave., Oakland.
Architect—None.
Day's work. COST, $3500

(1231) NO. 190 ALVARADO ROAD, Berkeley. One-story 4-room dwelling.
Owner—Mrs. T. B. Stoddard, Premises.
Architect—None.
Contractor—H. S. Hutton, 1701 Marin Ave., Berkeley.
COST, $1600

ADDITION
(1232) NO. 2006 EVERETT ST., Alameda. Addition.
Owner—J. A. Osterdock, Premises.
Architect—None.
Day's work. COST, $612

DWELLING
(1233) NO. 1327 FOUNTAIN ST., Alameda. One-story 5-room dwelling.
Owner—H. M. Lorber, 186 Hillcrest Rd., Berkeley.
Architect—None.
Contractor—M. H. Fish, 1340 Versailles Ave., Alameda
COST, $3500

ADDITION
(1234) NO. 813 PORTOLA, Alameda. Addition.
Owner—W. F. Stone, 822 Portola, Ala.
Architect—None.
Contractor—Geo. King, 3214½ Briggs Ave., Alameda.
COST, $700

DWELLING
(1235) LOT 4, BLK. 9 East Piedmont Extension, Oakland. Two-story frame dwelling.
Owner—J. Robert Graff, 2725 Prince, Berkeley.
Architect—None.
Contractor—S. G. Jackson, 18 Westall, Piedmont.
Filed May 27, '20. Dated May 25, '20.
Frame up..... ¼
Brown coated ..... ¼
Completed ..... ¼
Usual 35 days..... ¼
TOTAL COST, $8,500
Bond, none. Limit 90 days. Forfeit, none. Plans and specifications filed.

ADDITION
(1236) NO. 1200 EVELYN ST., Oakland. Addition.
Owner—Mrs. C. A. Sehl, Premises.
Architect—None.
Day's work. COST, $1000

DWELLING
(1237) N FORTY-FOURTH ST. 200 E Telegraph Ave., Oakland. One-story two-room dwelling.
Owner—E. H. King, 538 44th St., Oakland.
Architect—None.
Day's work. COST, $500

BUILDING
(1238) N THIRTEENTH ST. 100 W Harrison St., Oakland. Two-story concrete store building.
Owner—O. H. Kopperud, 2030 High St., Oakland.
Architect—Hutchinson and Mills, Syndicate Bldg., Oakland.
Contractor—Wm. Harper, 271 7th Ave., San Francisco.
COST, $30000

ALTERATIONS
(1239) NO. 1411 ALLSTON WAY, Berkeley. Alterations.
Owner—H. Newman, Premises.
Architect—None.
Day's work. COST, $500

GARAGE
(1240) NO. 262 HILLCREST ROAD, Berkeley. Reinforced concrete garage.
Owner—Geo. Otis Bordwell, Premises
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley.
COST, $1500

GARAGE
(1241) NO. 2728 REGENT ST., Berkeley. Garage.
Owner—W. C. Fife, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley.
COST, $500

ALTERATIONS
(1242) NO. 3109 ADELINE ST., Oakland. Alterations.
Owner—The General Accessories Corp., 510 American Nat. Bank Bldg., San Francisco.
Architect—None.
Day's work. COST, $1000

ALTERATIONS
(1243) NO. 2355 BROADWAY, Oakland. Alterations.
Owner—Don Lee, Premises.
Architect—None.
Contractor—F. G. Jones, Premises.
COST, $486

ADDITION
(1244) NO. 3029 LINDEN ST., Oakland. Addition.
Owner—H. C. Morton, Premises.
Architect—None.
Day's work. COST, $650

DWELLING
(1245) E LAKESHORE AVE. 55 N Valle Vista, Oakland. One-story four room dwelling.
Owner—Paul V. Parker, 176 Grand Ave., Oakland.
Architect—None.
Contractor—Wm. Greuner, 176 Grand Ave., Oakland.
COST, $3,500

ADDITION
(1246) NO. 2515 MARKET ST., Oakland. Addition.
Owner—George Lloyel, Premises.
Architect —None.
Day's work. COST, $450

DWELLING
(1247) S WALNUT AVE. 184 E 55th Ave., Oakland. One-story two-room dwellng.
Owner—F. W. Rose, 4819 Clark St., Oakland.
Architect —None.
Contractor—R. A. Bruce, 867 57th St., Oakland.
COST, $795

## COMPLETION NOTICES

### Alameda County

May 24, 1920—LOT 58 PIEDMONT Manor, Piedmont. Sam J. Newman to Harry Schwalm.....May 12, 1920
May 21 1920—SECOND AND WEBster Sts., Oakland. S. P. Co. to Otis Elevator Co.....May 19, 1920
May 25, 1920—LOT 41 Map Broadmoor Addition, San Leandro. Frank A. Cianciarulo to J. B. Peppin.....May 21, 1920
May 25, 1920—LOT 109 and NE 15 Lot 108, Blk. 22. Amended Map Havenscourt, Oakland. Marshall, McQuone and Dealy to whom it may concern.....May 1, 1920
May 25, 1920—E COLLEGE AVE. 300 S Woolsey St., Berkeley. F. L. Wolfe to Solomon Morris.....May 18, 1920
May 28, 1920—NE CLARA & SIXTH David and Daisy Hamburger and Betty Kaufman to A W Lawson.....May 28, 1920
May 28, 1920—W JONES 107-6 S Bush 30x107-6. D. J. Clancy to John M. Johnson.....May 28, 1920
May 28, 1920—TAYLOR AND BEACH Sts. Pacific Box Factory to Herman T. Ludwig .....May 17, 1920
May 28, 1920—S TODD 50 W Grove W 32½xS 90. —— Eugenia Morch to Leslie R Wilson.....May 17, 1920
May 28, 1920—S TODD 82½ W Grove W 32½xS 90. —— Eugenia Morch to Leslie R Wilson.....May 17, 1920
May 29, 1920—LOT 6 BLK 6 Map Melrose Heights, Okd. R C Hillen to whom it may concern.May 28, '20

### LIENS FILED.

### Alameda County

May 22, 1920—LOT 51 and N ½ Lot 52 Blk 13, Amended Map Sunset Terrace, Albany. Pacific Mfg Co vs J M Farren and J C and E E Axtell .....$246.14
May 24, 1920—LOTS 58 AND 59 BLK. 13, Amended Map Sunset Terrace, Albany. Sunset Hardware Co. vs. J. M. Farren....$128.28

### BUILDING CONTRACTS.

### Santa Clara County.

### BUILDING CONTRACTS.

### Santa Clara County.

COTTAGE
NO. 230 W-SAN CARLOS ST., San Jose. Cottage.
Owner—Mrs. M. Ross, 381 S-Market St., San Jose.
Architect—None.
Contractor—W. A. Hinds. San Jose.
COST, $1950

ALTERATIONS
NO. 408 N-THIRTEENTH ST., San Jose. Alterations.
Owner—Chas. Flindt, Premises.
Architect—None.
Day's work. COST, $1000

COTTAGES
EIGHTH AND JACKSON STS., San Jose. Operatives' Cottages.
Owner—California Packing Corporation, San Jose.
Architect—None.
Day's work. COST, $6000

COTTAGE
COR. DELMAS AND PARK STS., San Jose. Cottage.
Owner—Chas. J. Moore, 224 Delmas St., San Jose.
Architect—A. K. Burkett, 34 Fremont St., San Jose.
Contractor—A. K. Burkett, 34 Fremont St., San Jose.
COST, $4500

ALTERATIONS
S-SECOND ST., San Jose. Alterations.
Owner—O. A. Hale & Co., 140 S-First St., San Jose.
Architect—H Krause, Bk. of San Jose Bldg., San Jose.
Day's work. COST, $100

REST ROOMS
NO. 990 S-FIRST ST., San Jose. Rest rooms.
Owner—Paul Cribari, Premises.
Architect—None.
Day's work. COST, $400

COTTAGE
600 BLK. S NINTH, San Jose. Cottage.
Owner—C D. Wycoff, San Jose.
Architect—None.
Day's work. COST, $2000

ALTERATIONS
NO. 230 E SAN SALVADOR, San Jose. Alterations.
Owner—Hiram Thempson, 257 S 3d St., San Jose.
Architect—None.
Day's work. COST, $500

ALTERATIONS
NO. 413 S. SIXTH, San Jose. Alterations.
Owner—Hiram Thompson, 257 S 3d St., San Jose.
Architect—None.
Day's work. COST, $400

### COMPLETION NOTICES.

### Santa Clara County.

Recorded Accepted
May 26, 1920—ALUM ROCK AVE., San Jose. O P Sider to whom it may concern.....May 25, 1920

### RELEASE OF LIENS.

### Santa Clara County.

Recorded Amount
May 24, 1920—GOODYEAR TRACT, San Jose, Cal. Raisch Improvement Co. to Jos. Cafiero.....$103.18
May 24, 1920—LOT 36 PALM TRACT San Jose, Cal. Raisch Improvement Co. to Walter R. Ducoing.....$171.44
May 24, 1920—WILLOW ST., San Jose, Cal. Raisch Improvement Co. to Fred H. Smith.....$98.69

### BUILDING CONTRACTS

### Fresno County.

### BUILDING CONTRACT.

### Fresno County.

BUILDING
ON PORTION OF BLK. 224, Fresno. One-story frame building.
Owner—Y. W. C. A., Fresno.
Architect—None.
Contractor—A. D. Collman, 110 Jessie St., San Francisco.
Filed May 27, '20. Dated —— —, ——. Monthly 75% plus 10% for contractor's fee .....
Usual 35 days..... 25%
TOTAL COST, $——

DWELLING
W ½ OF LOT 3 BLK 9, Hazelwood. Frame dwelling and garage.
Owner—Thos. Montgomery, 274 Thesta St., Fresno.
Architect—None.
Day's work. COST, $3000

DWELLING AND GARAGE
LOTS 7, 8, BLK. 7 ORCHARD HILL, Fresno. Frame dwelling and garage.
Owner—W. P. Lockwood, 2950 Nevada, Fresno.
Architect—None.
Day's work. COST, $2000

BUILDING
NO. 2024 CLAY ST., Fresno. Building.
Owner—A. Vicchio.
Architect—None.
Contractor—J. B. Hart, 3667 Grant, Fresno.
COST, $1500

DWELLING
SW ½ OF BLK 281, Fresno. Frame dwelling.
Owner—Y. M. C. A., 1306 Van Ness, Fresno.
Architect—None.
COST, $12000

DWELLING
LOTS 43, and 44 LONG TRACT, Fresno. Frame dwelling.
Owner—Geo. Muldoon, 485 San Pablo, Fresno.
Architect—None.
Day's work. COST, $3000

ADDITION
NO. 2948 TULARE, Fresno. Addition.
Owner—Johnson Cleaning Works, Premises.
Architect—None.
COST, $6000

### COMPLETION NOTICE

### Santa Clara County.

May 27, 1920—HESTER PARK, San Jose, Cal. Alyce Bolton Cox to whom it may concern...May 27, 1920

### COMPLETION NOTICE.

### Fresno County.

Recorded Accepted
May 25, 1920—LOTS 15 AND 16 BLK 2, Oakwood, Fresno. Wm H Chamness to whom it may concern .....May 24, 1920

Recorded Accepted
May 21, 1920—LOTS 21 AND 22 BLK 31, Lots 15, 16, 21, 22 Blk 22 K B Heights, Fresno. Fresno Bldg Cptn to whom it may concern.....May 22, 1920
May 22, 1920—MUNICIPAL District No. 1, Contract No. 1 (sewer work). City of Fresno to whom it may concern.....May 21, 1920
May 21, 1920—N 90 FT. OF W ½ LOT 3, L. M. 8th and 9th Sts., Sacramento. S W McKim and Edna Fay Dill to whom it may concern..May 19, 1920

### LIENS FILED.

### Fresno County.

Recorded Amount
May 21, 1920—NE ¼ OF SW ¼ OF Sec 32, 15-24, Fresno. W A Duncombe vs L O Aivazian.....$2640

### BUILDING CONTRACTS

### Sacramento County.

REMODEL
NO. 629 "K" St., Sacramento. Remodel interior of store.
Owner—Ruhstaller Estate, 902 "J" St., Sacramento.
Architect—None.
Contractor—Mathews Construction Co., Forum Building, Sacramento.
COST, $2,500

DWELLING AND GARAGE
NO. 1133 FORTY-SECOND ST., Sacramento. One-story six-room frame and stucco dweling and garage.
Owner—A. C. Hullsman, 1417 10th St., Sacramento.
Architect—None.
Contractor—F. A. Holdener, 2310 "J" St., Sacramento.
COST, $7000

ALTERATIONS
NO. 2920 "J" ST., Sacramento. Remodel base for apartments.
Owner—Jack Blotter, 2920 "J" St., Sacramento.
Architect—None.
Contractor—W. H. Dailey, 1007 11th St., Sacramento.
COST, $2130

ALTERATIONS
NO. 2401 "N" ST., Sacramento. Remodel basement into two apartments and garage.
Owner—L. S. Poston, 2401 "N" ST., Sacramento.
Architect—None.
Contractor—T. B. Hunt, 2925 "S" St., Sacramento.
COST, $4300

GARAGES
NO. 2114 "M" ST. (rear) Sacramento. Four private frame garages.

Owner—E. Wallace, 1300 9th St., Sacramento.
Architect—None.
Day's work COST, $2500

ALTERATIONS
NO. 913 "K" ST., Sacramento. Remodel front of restaurant, etc.
Owner—Gus Lavenson, 628 "K" St., Sacramento.
Architect—None.
Day's work. COST, $1500

ALTERATIONS
NO. 400 "K" ST., Sacramento. Remodel shelving.
Owner—Weinstock Lubin & Co., 400 "K" St., Sacramento.
Architect—None.
COST, $2000

ALTERATIONS
NO. 627 "K" ST., Sacramento. Remodel restaurant.
Owner—Clauss & Krauss, 1700 "I" St., Sacramento.
Architect—None.
Day's work. COST, $2500

ADDITION TO PLANT
CHURCH BET. MCDOUGALL AND Stockton, Stockton. Two-story concrete brick and frame addition to plant.
Owner—National Paper Products Co., premises.
Architect—None.
Day's work. COST, $90,000

REMODEL
S AURORA ST. in Lane's Addition, Stockton. Remodel building.
Owner—A. F. Barnett, 1554 S. Aurora, Stockton.
Architect—None.
Day's work. COST, $1,200

RESIDENCE
WEST MAPLE ST., Sperry Addition, Stockton. Frame residence.
Owner—C. C. Blair.
Architect—None.
Day's work. COST, $4,000

GARAGE
WEBER BET. STANISLAUS AND GRANT, Stockton. Garage.
Owner—Jas. Coates, 1654 N Hunter St., Stockton.
Architect—None.
Day's work. COST, $15000

RESIDENCE
W PARK ST. BET. MONROE AND Madison Sts., Stockton. Frame residence.
Owner—A. Da Valle, 531 E North St., Stockton.
Architect—None.
Day's work. COST, $5000

RESIDENCE AND GARAGE
NORTH ST. BET. YOSEMITE AND San Jose, Stockton. Frame residence and garage.
Owner—P. E. Dobson.
Architect—None.
Day's work. COST, $4,200

RESIDENCE AND GARAGE
LOMITA PARK ON LEXINGTON, Stockton. Frame residence and garage.
Owner—Ethel Moran, 119 Kensington Way, Stockton.
Architect—None.
Day's work. COST, $3700

GARAGE
SIERRA NEVADA AND FREMONT Sts., Stockton. Public garage.
Owner—G. Paglieltini.
Architect—None.
Day's work. COST, $4000

RESIDENCE
ARCADE ST. in North Stockton, Stockton. Frame residence.
Owner—Dora H. Schmither.
Architect—None.
Day's work. COST, $1200

WAREHOUSE
NO. 2816 J ST., Sacramento. Concrete tile warehouse.
Owner—H. D. Ehu, 2810 J St., Sacramento.
Architect—None.
Day's work. COST, $2500

ALTERATIONS
NO. 719 O ST., Sacramento. Remodel frame dwelling.
Owner—J. R. Catlett, Premises.
Architect—None.
Contractor—P. F. Reid, 2545 28th St., Sacramento.
COST, $1000

ALTERATIONS
2401 N ST., Sacramento. Remodel basement into 2 apartments and garage.
Owner—L. S. Poston, Premises.
Architect—None.
Contractor—F. B. Hunt, 2926 S St., Sacramento.
COST, $4300

## COMPLETION NOTICE.

### Sacramento County.

May 27, 1920—LOT 1586 W and K Tract 24, Sacramento. S. M. Camp to Jas. A. McCullough...May 22, 1920

## LIENS FILED.

### San Joaquin County.

May 27, 1920—S ½ OF SE ¼ OF SW ¼ of Section 11 T 2 S, R. 8 E, Stockton. Ripon Lumber Co. (a Corp.) $1,156.28; H. T. and G. R. Davis as Davis Bros. $523.20 vs. Evelyn J. Bolte.....

## POLITICAL PETTIFOGGING

**Analysis of Government Report Shows Contractors Spent $80,000,000 to Save $1,000,000,000 and 100,000 Men, and Keep the Germans Out of Paris—Methods Employed by Investigating Committee Discredit Conclusions—False Statements Made to Furnish Campaign Material.**

(Reprint from The General Contractors of America Bulletin.)

Contractors who built the army cantonments could admit the main contention of the majority report of the House Sub-committee investigating war expenditures, namely that $80,000,000 was extravagantly spent in the construction of the camps, and still prove their case. It is admitted by everyone that the war emergency presented the most stupendous task in the construction of training camps which the government or private industry has ever faced. Each camp represented the creation of a city adequately equipped to house between 35,000 and 50,000 men including everything from clearing the ground for site and building roads to make it accessible, to constructing and equipping the lighting, heating, baking and other plants essential to care for the daily needs of the men for whom they were designed. The task involved contracts which ordinarily would have required a year to complete, even with the largest construction organization. The contractors who handled the work, however, presented the camps ready for occupancy within from 4 to 6 months of the time of letting the contracts.

With such a record, of course, there was waste. A careful analysis of the facts by an impartial investigating committee will show that the amount wasted was nowhere near $80,000,000. But even if it were all that the majority report says it was, a comparison of this sum with the alternative cost in prolongation of the war shows how picayune and pettifogging is the attempt of the investigating committee to see not only wasteful extravagance but also inefficiently and graft in the work of these contractors.

**$80,000,000 Spent to Save $1,000,000,000 and 100,000 Men**

Had the lump sum form of contract with its inflexibilities been adopted in the construction of the camps, weeks and months would have been lost both in getting started and in making the innumerable adjustments which had to be made in the plans for camps as the work progressed. Had a single month been lost in this manner and the war been prolonged to just that extent, and if every penny of the $80,000,000 claimed by the house committee as wasted were thus saved, the war would have cost the United States an additional $1,000,000,000 in cash and 100,000 casualties in men. Had the Americans arrived at Cheateau Thierry a month later than they did, the Germans would now be dictating terms in Paris. Given the chance again, would any American Democrat or Republican, hesitate in choosing which course to follow?

**Conclusions Discredited by Investigating Methods**

However, only a passing acquaintance with the methods employed by the investigating committee is sufficient to discredit the conclusions presented in the majority report. In arriving at the total of $78,531,521 which the Committee claims was lost in "graft, extravagance and inefficiency," the most superficial evidence was relied on. For example, in deciding that the cost of constructing Camp Grant should have been $9,119,544 instead of $14,689,620—an apparent loss of over $5,000,000—the committee based its conclusions chiefly on the testimony of a Chicago contractor who claimed he could have done the entire job on a lump sum basis for $8,819,544, but admitted that he did not know that the job included the construction of rifle range, one of the largest in the country, or several bridges over the Rock River, the railroad, etc., etc. The other witnesses called during the hearing on the construction of the original camp included seven regular army officers, a county surveyor, an investigator, and 26 workmen—one steamfitter, one plumber, two hoisting engineers, four laborers, eight teamsters, and eight carpenters!" Not one representative of the Construction Division under whose supervision the cantonment was built, not one repreaentative of the contractors who did the work, not one disinterested engineer, and not one disinterested contractor experienced in this class of work, was asked to testify!

**False Charges Deliberately Made**

Charges that the cost of the contract was increased in order to add to the profits of the firms in charge of the work fall flat when it is recalled that the fee for performing the work was fixed. For example, the contract at Camp Grant was made on a basis of about $4,000,000 worth of work. After the work had been started changes in the plans brought the cost of the original camp up to $8,500,000. When the maximum fee on the original contract of $4,000,000 had been earned, the contractor received not one penny as profit on this additional $4,000,000 worth of work.

The political nature of the investigation is evident from a comparison of the majority and the minority reports, whose conclusions are so diametrically opposed as to vitiate each other completely. Again, the fact that similar extravagant attacks have been made by opponents of the Administration on other departments of the government

for campaign purposes indicates the biased nature of the present investigation.

The total result of the publication of the report of the sub-committee to date has been considerable unjust publicity in the press and the introduction in Congress of several bills aimed at prohibiting cost-plus contracts on government work, and at increasing the taxation of such firms as held government contracts on a cost plus basis during the war. Criminal and civil prosecution against the contractors who built the camps, has also been threatened. In reply the contractors involved have invited the most pitiless publicity of both their accounts and their methods, and the Associated General Contractors have vote to back them to the limit of necessary in securing a really fair and impartial investigation. It is not likely that such an investigation will be made or that any further action will be taken.

The politicians involved have secured the results they desired—campaign material of nothing more than campaign value. Such gestures, however, are too well understood to be given much consideration. It is only to be regretted that the uninitiated can be hypnotized for a time by them.

## AMERICAN CONSTRUCTION MATERIALS NEEDED BY BRAZIL.

Brazil offers a market for all kinds of construction materials and machinery, not only in the immediate future, but for an indefinite time to come, according to Trade Commissioner W. W. Ewing, whose report on that country was issued to-day by the Bureau of Foreign and Domestic Commerce, Department of Commerce. Mr. Ewing recently returned to the United States after a tour of investigation covering all the South American Republics. He is convinced that Brazil, by reason of its vast undeveloped territory and its immense resources, is rapidly increasing in importance as an export field. Some of the goods that it will most urgently need in the next few years are iron, steel, coal, cement, caustic soda, sulphuric acid, chemical and medical products, paper, and most manufactured materials requiring skill and experience in their production, such as engines, agricultural machinery, cutlery, the finer grades of glassware, oils, paints, and railway materials of all kinds.

In discussing the market for American building materials Trade Commissioner Ewing speaks of the development of Brazilian architecture and the work of the artists who have created in the Republic many handsome and distinguished structures, differing materially in style from buildings in the United States. Portuguese colonists introduced a baroque style in Brazil, and the author of the report says that numerous examples of this architecture, some of extraordinary beauty, can be observed throughout the country. Many of the baroque churches are large and magnificently ornamented—monuments of the richest art. After the year 1816 the "Neo-classic" note prevailed in civil architecture. In the twentieth century, the commissioner continues, the aspect of Rio de Janeiro has been completely transformed. Splendid avenues, new roads and streets, quays for the loading and unloading of ships, gardens following the windings of the bay, and many public and private buildings have been constructed.

American steel products, Mr. Ewing finds, are very acceptable in Brazil. The railways form an important market, and the majority of these lines are quite willing to accept American manufacturers' specifications, or preferably those of the American Society for Testing Materials.

There will be a good market in Brazil for Portland cement. More than 2,500,000 barrels of this product were imported in 1913.

There is an enormous consumption of glazed tiles. Because of laws which require that the bath and service parts of dwellings be finished in tiles there will always be a demand for them.

The Trade Commissioner says that in the north of Brazil, especially in Pernambuco, and also in Rio de Janeiro, there should be a market for skylights. In the capital 90 per cent of the residences have skylights.

Europe held 80 per cent of the hardware trade of Brazil before the war. The product of the best American manufacturers is in demand, but it is often found too expensive for the ordinary consumer.

American electric elevator equipment has had the preference at Rio, 50 per cent of all the installations being of American make.

In the Brazilian trade in steam engines, internal-combustion engines, ice machines, and motor cars, since all fuel is expensive, it will be necessary for Americans to study the methods used by Europeans before the war and endeavor to furnish prime movers and the small individual units of the greatest economy in fuel and lubricants, giving guaranties of consumption and power produced.

Full details concerning the sales possibilities of these and many other related articles are contained in Trade Commissioner Ewing's published report, "Construction Material and Machinery in Brazil," Special Agents Series No. 192, which may now be obtained from any of the district offices of the Bureau of Foreign and Domestic Commerce or from the Superintendent of Documents, Government Printing Office, Washington, D. C. There are 96 pages and 9 illustrations and the price is 15 cents.

## PROGRAM OF THE COMPETITION FOR THE TREATMENT OF THE AQUATIC PARK SITUATED AT THE FOOT OF VAN NESS AVE., SAN FRANCISCO, CALIFORNIA.

For the purpose of stimulating public interest in the development of the Aquatic Park, the Board of Public Works has authorized the holding of a competition among architectural draftsmen based on the general requirements of this project.

It is proposed to treat the area at the foot of Van Ness Avenue, bounded by Van Ness Avenue, Larkin Street, Beach Street and Jefferson Street, and it is intended to develop this area together with that which lies to the north of Jefferson Street between Fort Mason and Hyde Streets as an Aquatic Park.

### THE REQUIREMENTS.

The following are the requirements:

1. A Bathing Beach. For this purpose the maximum frontage of the existing beach must be retained.

2. An inland open air swimming pool not to exceed 10,000 square feet in area.

3. Bath house for men and women accessible to both the beach and swimming pool. This house to contain lockers and the necessary conviences and dependencies.

4. A wading pool.

5. Boat Club House. This is to be one story in height and divided into three units; each unit to be about 50' x80'. Each unit to be supplied with a landing float.

6. A boat landing for the accommodation of parties landing from yachts.

7. Provisions should be made for a dance platform, handball, tennis, and basketball courts, band stand, and public comfort station.

The pier at Fort Mason will probably be developed as a pleasure pier by the United States Government. The treatment of this should be incorporated in the scheme.

There will be a connecting roadway between Beach and Polk Streets and Van Ness Avenue at an easy gradient to form a connecting link in the boulevard system around Fort Mason. The Spring Valley Pumping Station can be reconstructed to meet the proper treatment of this roadway.

The alignment and elevation of the Belt Line Railway is to conform to Drawing B-4305 of the City Engineer's Office.

The existing pavement on Beach Street between Polk Street and Larkin Street is to be preserved if possible.

### THE DRAWINGS.

The following drawings are required:

1. Plan at the scale of 1-32 inch to the foot.

2. At least three sections at the scale of $\frac{1}{16}$ inch to the foot. These sections should be developed to fully explain the scheme, and their location is left to the discretion of the competitors.

3. An aeroplane view of the whole scheme indicating relationship to surrounding landmarks.

All drawings are to be made on sheets of cold-pressed Whatman 46"x 65" in size with a single broad line for border. Plan and sections to be rendered in monotone wash.

Perspective may be washed in color.

Each design to be accompanied by a sealed envelope unaddressed and lettered "Aquatic Park Competition" and containing a card bearing name and address of the author.

All inquiries for supplementary information must be anonymous and in writing and addressed "Aquatic Park Competition," City Hall. Answers will be sent to all competitors and become a part of this program.

No supplementary information will be given after June 9, 1920.

Each design is to be delivered flat and unmounted in one sealed package containing all the drawings and the sealed envelope.

All packages are to be addressed "Aquatic Park Competition" and delivered to the City Hall on or before Monday, June 28, 1920, at 12 o'clock noon.

The drawings submitted are to be judged by a jury of five consisting of the Committee appointed by the Board

of Public Works for the conduct of this contest:

M. M. O'Shaughnessy, City Engineer.
John Reid Jr., City Architect.
Frederick H. Meyer, Architect.
John Bakewell, Architect.
J. E. Scully, Representing Recreation League.

The following prizes will be awarded and announcement made not later than July 10, 1920:

| | |
|---|---|
| First prize | $250.00 |
| Second prize | 200.00 |
| Third prize | 100.00 |
| Fourth prize | 50.00 |
| Fifth prize | 50.00 |

The following documents accompany this program, and can be obtained at City Engineer's Office, Room 368:

Basic plan No. B-4305.
Tentative plan No. B-4117.
Tentative plan No. B-4175.

## CONSTRUCTION WORK IN NEW ZEALAND.

[Consul General Alfred A. Winslow, Auckland, Feb. 18, 1920.]

There is a general move on foot in New Zealand on the part of the New Zealand Government, municipal corporations, and private interests to push construction work along various lines, notwithstanding the fact that building costs in general are very greatly increased. Building that would have cost about $2,700 previous to the war will now cost very close to $4,900. In 1914 lumber could be landed in New Zealand at $20.20 per thousand feet, while at present it would cost $92.46. Roofing iron was then about $73 per ton, while it is now from $268 to $292 per ton. Cement was $16.42 per ton, and is now $34.06 per ton. Wages were $0.30 an hour for carpenters and $0.26 for laborers, while now they are $0.54 to $0.60 per hour for carpenters and $0.40 for laborers.

The Government is also earnestly pushing the mater of constructing homes under the housing act of the last session of Parliament, and has appointed Mr P. H. Graham Government architect at a salary of $4,866 per annum. This architect can be addressed in care of the Department of Public Works, Wellington, New Zealand.

**Appropriation for School Buildings**

The Minister of Education, who has control of the public schools of the Dominion, has announced that he has available the sum of $8,516,375 for the erection and remodeling of school buildings in New Zealand before March 31, 1921, with $6,083,125 to be expended within a period of two years from that date. It is proposed to push this work as rapidly as possible in order to bring the educational facilities up to where they doubtless would have been had not the war put an end to the efforts being made in 1914 to fully accommodate all the children of the Dominion in up-to-date school buildings.

The Minister of Education has also announced that a liberal appropriation will be made for the erection of the Auckland University College on the new site that has been selected in this city, with a view to beginning work within a short time. The sum mentioned by the Minister was $486,650 as a beginning but it is expected that the cost of these buildings will be at least three or four times that sum. When completed it is supposed that the buildings of this institution will equal those of any other university college in the Dominion.

**Public Works at Palmerston North—Hospital at Hamilton**

Authority has been obtained from the taxpayers of Palmerston North to raise a loan of $638,850 for the construction of roads, bridges, electric traction, garbage destructor, sewerage extension, and other necessary work that will call for a large amount of machinery, supplies, etc. This work is to be pressed at an early date.

The estimate cost of the work in hand at the Waikato Hospital at Hamilton amounts to $447,700. This covers $160,000 for extensions to the main hospital building, $21,900 for additional staff accommodation, and $121,660 for a large nurses' home. This institute serves a large farming area as well as several fairly large towns.

The Borough Council of Pukekohe, New Zealand, has decided to ask the taxpayers to sanction the raising of a loan of $408,786 for the construction of roads, erection of a town hall, baths, water supply, lighting plant, quarry and plant, fire brigade, house connections, etc. This work is to be pushed at as early a date as possible and will call for a large amount of supplies.

The New Zealand Government has authorized the following local bodies in this Dominion to raise loans for construction work: Whangarei Borough Council, $48,665; Whakatane Harbor Board, $17,033; Piako County Council, $12,166; Hamilton Borough Council, $257,924; Papakura Town Board, $9,733; and the Whakatane Borough Council, $48,665.

**Extension of Christchurch Tramway System—Large Road Contract**

A loan for $1,654,600 has been authorized for the extension of the Christchurch tramway system. This sum is to be expended at as early a date as possible, for the reason that the tramway system is inadequate to the city's needs because of its rapid growth during the last few years. Christchurch is a city of about 85,000.

The borough councils of the Mangonui and Waitemata Counties have pooled their issues, with a result that work is in sight in north Auckland representing over $1,216,625 in value. Steps have been taken to induce Smith, Timms & Kidman, an Australian firm, to bring their staff to this Dominion to undertake this extensive road improvement, but it is not known as yet whether they will consider the proposition. This will call for a large amount of up-to-date road-making machinery.

## ITEMS CONTRIBUTING TO HIGH COST OF LUMBER.

[Consul Henry S. Culver, St. John, New Brunswick, Canada.]

The New Brunswick Lumbermen's Association in accounting for the high cost of lumber give among other reasons the following interesting figures:

In 1913, stumpage was $1.50 and mileage $8; to-day we pay $3.50 stumpage, $8 mileage, and $3.20 per mile for fire protection; also, we have workmen's compensation of logging, river driving, rafting, milling, and loading, with a separate rate on each, and this still further adds to the cost; in addition, we have the heavy business Dominion war tax.

## GERMANY NOW HAS ALUMINUM SURPLUS.

Owing to the fact that the three plants started during the war in Germany to produce aluminum are producing more than is demanded for home use, the German government has cancelled its contract with manufacturers in Switzerland for a supply. The contract was so drawn that Germany agreed to continue taking the yearly supply for 1919 and 1920, but by a large payment in consideration of the cancellation of the contract Germany will no longer depend on aluminum in any quantity from Switzerland.

The Phoenix Building Trades Council has suspended the "building trades card," according to J. L. Rodgers, business agent of the carpenters' union of that city. This is the result of the open shop movement in the Arizona capitol.

## STANDARD OIL PRODUCTION.

SAN FRANCISCO—April production of 274,877 barrels per day shows a decrease of 1124 barrels daily, as compared with March. April shipments were 290,423 barrels per day, a decrease of 23,015 barrels daily, as compared with March. Stocks were decreased 466,380 barrels during the month. Thirty-seven new wells were completed during April, with an initial daily production of 5510 barrels. Total crude oil stocks April 30, 1920: 27,111,984, barrels. Total shipments from fields, April, 1920: 18,712,698 barrels.

A bulletin entitled, "New Provisions for Compensation and Medical and Surgical Care and Supplies Under the War Risk Act," and officially listed as "LD-30," is announced by Director R. G. Cholmeley-Jones of the Bureau of War Risk Insurance as ready for distribution.

## LEEBOLD CANDY COMPANY TO BUILD.

The Leebold Candy Company, 1070 Mission street, is planning the erection of a modern factory building in San Francisco having approximately 100,000 square feet of floor space. A feature not yet included in structures of this kind will be an air conditioning system so that the temperature as well as the dryness of the air can be controlled mechanically any day of the year.

The Leebold Corporation is being organized under the laws of the State of New York to take over the present Leebold Candy Company. The new company will have a capital of one million dollars.

## CONTRACT AWARDED FOR GREAT HIGHWAY IMPROVEMENT.

SAN FRANCISCO.—The Raisch Improvement Co., has been awarded a contract by the Board of Public Works for the improvement of the Great Highway between Fulton street and Lincoln Way and a request has been made of the Supervisors to appropriate $37,000 to cover the cost of the contract.

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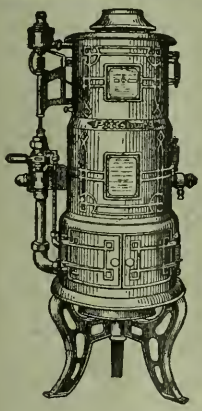

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# EDITORIAL

**L. A. LARSEN, Publisher.**
**J. P. FARRELL, Managing Editor.**

## THE ENGINEER.

Outside of the professor and the captain of industry few people realize the evolution that has come in engineering. Plain humans have evolved but slowly in a half century, but today you find the engineer everywhere.

In all walks of production and industry except, perhaps, the industry of farming, the engineer is called in first. Few capitalists will risk their money, and time, on a project until competent engineers have gone over the ground thoroughly and endorsed it. Indeed, it is now a large practice for engineers of ability to seek out independently opportunities for the investment of capital or for the utilization of natural resources. Herbert Hoover himself is one of the successful examples of this latter class who are sure to grow in numbers and influence every year.

The engineer is becoming so important, as a matter of fact, that the day may not be long distant when he will take first place in industry and progress, the place occupied for centuries by the capitalist.

And will not the world be a better place for humans when that happens? The capitalist sits in his office by day, the lord of all he surveys, and at night associates with his own class. His chief affair in life is how to make money and how to spend it. In most cases he is totally materialistic—not entirely because he wants to be, but because his environment and habits of life restrict him. He is cold spiritually because he doesn't mingle personally with the world's throngs. Thus when a problem comes to him involving masses of people he naturally trends to the materialistic side.

But the engineer! The very nature of his life's work carries him daily among the people, where he sees their problems, where he is often compelled to live as they live, work as they work and take risks that they take.

It is easy to recognize which man should have first place in this worldful of human beings—the capitalistic captain of industry or the engineer.—Lexington (Ky.) Leader.

## CONCRETE ROAD TOO COSTLY.

CARSON CITY, Nevada—Members of the Nevada Highway Commission declare that due to the high cost of concrete, the State may switch from the use of cement and asphaltum. Cost of concrete roads at present is more than $40,000 a mile.

## ENGINEERS ASSIGNED

Further additions have been made to the staffs of the county engineer, construction engineer and state highway engineer at Spokane. Guy McKinley, who has been on the staff of Construction Engineer Doolittle has become a member of the staff of Guy Harvey, state engineer for the district, while Russell S. Alger, who has been with the Washington Wate Power Company has joined the forces of Mr. Doolittle as an office engineer. F. G. Harvey, a deputy under the county engineer, formerly in the state highway department has also joined the office staff of Mr. Doolittle. Frank Almack, formerly connected with the office of City Engineer Butler, has been appointed field engineer on the staff of County Engineer H. S. Baker.

## HIGHWAY WORK UNDERWAY TO BE FINISHED

**Conference at Sacramento Agrees to Complete Contracted Jobs; No New Projects Considered**

SACRAMENTO, Cal.—Highway construction work for which the State is now "morally obligated," but which is not yet under contract will be completed by the State Highway Commission immediately but no new projects will be entered into until the bond market has stabilized.

The State Board of Control and the State Highway Commission definitely decided upon the foregoing policy in a joint session this afternoon and announced that as soon as the Governor's consent can be obtained, a deal for the sale of $3,000,000 worth of bonds to carry on work now under way will be closed. The names of the firms which will purchase the bonds were not made public.

### TO USE FEDERAL FUNDS

It was announced that approximately $190,000 will be taken from Federal funds to liquidate the loss occasioned by the low rate of interest which the State securities pay. No difficulty is expected in securing the sanction of the Governor to close the sale.

State Controller John S. Chambers and State Treasurer Friend Richardson were present at the conference.

Signs of friction between state automobile clubs and the Highway Commission were apparent throughout the discussion.

Commissioner Charles A. Whitmore resented a suggestion made by Marshall De Motte, chairman of the Board of Control, that the intent of the meeting was to determine upon means of securing funds to finance work asked by the automobile clubs. Whitmore admitted that the work which will be undertaken is that desired by the automobile men, but declared their wish had not influenced the commission in its determination of the roads to be built.

Other evidence of dissension appeared when De Motte and Whitmore demanded that newspaper men be asked to leave the room. Their contention was overruled by the others present, after a prolonged argument.

Commissioner N. D. Darlington, speaking for the Highway Commission, asserted $5,000,000 would be necessary to forward work already contracted for and to continue operations of the department efficiently until the first of the year."

State Treasurer Richardson objected to such an expenditure, and charged that the Highway Commission has no legal right to enter into contracts without the money involved being on hand.

## ENGINEERING COMMISSION APPOINTED

E. M. Miles, president of the Yellowstone Irrigation Association of Montana, has appointed an engineering commission consisting of five hydralic engineers. The personnel of the new commission is as follows: Henry Gerharz, B. C. Lillis, formerly engineer with the U. S. reclamation service and Charles Tabor, county surveyor of Forsyth; R. H. Fifield, formerly with the reclamation service and M. M. Galbraith, formerly engineer in California.

## LOS ANGELES TO HAVE ANOTHER THEATRE.

LOS ANGELES, Cal.—Gore Bros., Lessees of the Burbank Theatre, on Main street, near Sixth street, will erect a modern 10-story building on the property. The site is 140x350 ft. The new building will cost approximately $2,000,000.

## SANTA ROSA PLANS STREET WORK.

SANTA ROSA, Sonoma Co., Cal.—The City Council, Vida McL. Doggett, Clerk, has ordered the paving of Wilson street between 4th and 5th and Davis street, Washington and A streets from 3rd to 5th streets.

The City Clerk has been instructed to post notices for bids for constructing curbs and gutters in Howard street.

# "Is It Covered in the Estimate?"

## The Five Components of Cost

**Neglecting Any of the Elements of Construction Expense Means Service Without Payment — Analysis Shows Items Which the Estimator Sometimes Omits—The Contractor Is Entitled to Salary—Profit is the Return on His Capital Investment.**

The subject "Cost Estimating" is of unusually wide scope as practically each type of contract work has to be analyzed on its own merits and is subject to special considerations. In all cases, however, the following elements enter and must be given consideration:

Financial Credit
Constructive Skill
Use of Plant
Hazard
Profit

### Financial Credit

The contractor should make a carefully prepared schedule of the amount of money which will have to be invested in the proposed work from the time he signs the contract until his final estimate is rendered, and from such schedule he must determine the amount of interest this money will cost and this amount is a proper charge against the work. If this is not done the contractor is merely contributing to the owner this amount.

Furthermore, a careful analysis along these lines will often disclose the fact that a certain piece of work requires a larger amount of money to handle it than is apparent at first glance, and such a condition might work a hardship if not disaster on the contractor in spite of the fact that all other considerations had been taken care of. It is a notorious fact that on certain types of contracts, pay for preliminary work, which may be a large item, cannot be secured through the medium of the regular unit prices until the work has progressed well along to completion.

### Constructive Skill

Contractors engaged in business are entitled to receive compensation in the shape of an annual salary for personal services rendered and it is our belief that any computations of cost should include sufficient amount to cover such salary whether it be that of a single individual or various members of a partnership or corporation. If this is not done the contractor is contributing his services to the owner without remuneration, because by no stretch of the imagination can there be any rightly considered profit except as over and above a reasonable salary allowance to the contractor himself.

### Use of Plant

This item justifies an independent discussion by itself and we suggest that the Association appoint a committee to deal directly with it.

### Hazard

Many specifications include clauses which contemplate making the contractor assume risks which should properly be borne by the site, or in other words, should be at the owners' risk. In making a proposal on such work the contractor has two alternatives—one to protect himself in his proposal against such risks by special provision in his proposal, or secondly, to put a large value on any possible risk which he is asked to stand.

It may be well to add in this connection that while it ordinarily behooves a contractor to be somewhat of an optimist he can well afford to be a confirmed pessimist when figuring this portion of a contract. It is possible this fact more than any other has caused good firms to have to go out of the contracting buisness.

### Profit

As to the necessity of a profit we can all be agreed. As to the amount which must be added as a percentage on the cost, differences of opinion will exist, but it must be remembered that the contracting business is a particularly hazardous one; that it is irregular in volume and that every contract will not necessarily be profitable.

Furthermore, it must be remembered that the average merchant sells goods from his shelves at a profit with a definitely established cost for the goods themselves. The manufacturer sells on short term contracts—his overhead, plant installation and plant maintenance costs are established and regular, and while he may not in all cases be willing to admit it, the manufacturer is practically working on a cost plus basis today. The only difference in most cases between his method of fixing prices and that of a cost plus construction contract is that the manufacturer can and does add a larger profit for the use of his organization, brains and energy. The contractor must provide his plant, must guess at the cost of it, in place, must guess at the operating cost, must guess successfully if he is to stay in the business as to what the labor market will be, and if he is willing to do this he is surely entitled to a fair margin of profit.

### Necessary Factors in Estimating

The following items also enter into most work and must be considered in detail before the preliminary cost of a piece of work can be considered as complete:

Interest
Overhead Expense
Bonds
Insurance—
  Employers' Liability
  Public Liability
Fire Insurance
Special Risks
Freight on outfit to and from work
Moving in and out
Land Damages
Camp and other buildings
Preliminary work
Cost of materials plus freight
Hauling materials
Supervision
Labor
Loss on board
Transportation of Labor
Tools
Plant Rental
Supplies
Running Repairs
General Repairs
Special
Machinery
Fuel and Power
Water

Taking up these items in order we will comment briefly on each:

**Interest.**—This is covered in our discussion of financial credits.

**Overhead.**—A contractor should establish the proper cost of the overhead charges in his business. This should include the charges, salary allowance for members of the firm, traveling expenses, etc. Provision should also be made here for the maintenance of an equipment storage yard.

**Bonds.**—No comment should be necessary here on this item.

**Insurance.**—It is not necessary to make a discussion of the ordinary items, but we wish to call attention to the fact that prudence would require that any combustible material, together with camps, storehouses, etc., should be insured and such insurance is of course a proper item of cost to the work. There are often special risks which occur upon a job which may be protected by insurance, and such insurance is also part of the cost.

**Freight on Outfit.**—This is possibly a portion of the item following but we have listed it seperately because we believe that many contractors underestimate the amount of freight that they will be required to pay on their outfits in such cases.

**Moving in and Out Expense.**—This is an item frequently overlooked by contractors but one which requires careful consideration. First, there is expense of loading outfit in the contractors' yard; second, the unloading of it at point of destination; third the moving of it perhaps many miles across country; fourth, the setting up and getting plant ready to operate, and the reverse of all these operations until the plant is again delivered in the contractors' yard.

**Land Damages.**—This is an item which we believe many contractors neglect entirely and still it is one which costs considerable sums of money. This seems particularly true in connection with county road work.

Land damages accrue from the use of property for camping purposes, from moving outfits across fields for the diversion of public highways, and for storage yard and other construction layout.

**Camp and Other Buildings.**—This is another fruitful source of under-estimating by contractors, often in the loose asumption that "The boarding house will pay for the camps." If such a condition ever existed it must have been a great many years ago and we

believe that present-day conditions necessitate including the cost of all camps and temporary buildings required to carry on the work. We further believe that contractors should be careful to avoid the thought of high salvage values to avoid subsequent disappointment.

**Preliminary Work.**—This is an item which should not only be considered in cost estimating but we believe that we should digress from the subject for a moment and call attention to the fact that it is probably a duty which every contractor owes to himself to work out a definite scheme of handling a piece of work before he proceeds with an estimate. This does not mean that he must detail the laying out of an entire piece of work but that he must see clearly that a certain general line of procedure can be followed with expectation of proper results therefrom.

**Cost of Materials.**—Mention is made of this particularly to emphasize the fact that a cost estimate is usually based on certain material quotations, and it is very necessary in these times that a prospective bidder should be careful to be properly covered with material quotations when making a bid and to close up promptly with the material dealers after the award of the contract.

In connection with this comes a question of freight which must not be overlooked but in case of the present railway situation it would seem necessary for every bidder to make special provision in his proposal to protect against a change in freight rates during the time of the work.

**Hauling Materials.**—All hauling costs should be very carefully analyzed, as they are often a fruitful source of under-estimation.

**Supervision.**—Care should be taken to see that any computation of labor also includes any supervision which is not covered in the item of overhead. This would usually mean general foremen, timekeepers, labor agents.

**Labor.**—Labor is perhaps the most difficult item in the computing of cost which a contractor has to deal with. Rates have been rising for several years and it is apparent that wages have not reached their peak. Provision must be made somewhere to protect against what the bidder considers the maximum rate which will accrue during the life of the contract.

**Loss on Board.**—In most cases there is a definite board loss in connection with camps. While this may not be true with large camps, working through a considerable period of time, the small movable camp such as is in vogue on highway work usually contributes a constant loss to the work.

**Transportation of Labor.**—This is an item very often neglected, yet it is very common to have to advance railroad fares to laborers with the resulting increase in the cost of the work.

**Tools.**—Contractors often fail to make the proper allowance for tools. Careful analysis of work done will show that a tool item is a very appreciable one in every contract and will also indicate that tools do not carry any too well from job to job, but that there is a definite and heavy loss on every job in connection with this item.

**Plant Rental.**—As mentioned before this should be covered by special paper.

**Supplies.**—This is an item which is often neglected as being a minor consideration. On certain classes of work it is really, instead, a very heavy item. The cost of packing, grease, hose, rubber boots and other rubber goods, should be given careful consideration and the contractor will save himself money by checking up his past work and arriving at a clear understanding of what such costs really are.

**Running and General Repairs.**—These should be discussed in connection with the use of plant, of plant rental, but in any case the contractor must understand that they are necessary parts of the cost of doing a piece of work.

**Special Machinery.**—On many contracts it is necessary to employ in addition to an ordinary contractor's plant some special form of machinery either purchased from a manufacturer or built by the contractor for the work. In either case plant rental is not a proper charge for this class of equipment.

The entire cost of it less its scrap value must be charged to the one job on which it is used, otherwise a contractor may complete a large amount of work and find the entire profits tied up in machinery which has little value other than scrap.

**Fuel and Power.**—The cost of power especially varies so much in different localities that the bidder should acquaint himself carefully with the local conditions. If a large amount of fuel is involved careful allowance must be made for the hauling and handling of same.

**Water.**— This item often becomes a serious obstacle to the proper handling of work and is one that requires a great deal of attention. It sometimes adds very materially to the cost. In addition to this we wish to impress all contractors with the desirability of investigating the available water supply in connection with a given piece or work before making their figures.

**Conclusion**

We cannot close the discussion of Cost Estimating without dwelling for a moment on the question of Cost Keeping. The fact that so many contracting concerns are closed out of business each year is a strong indication that something is not correct with the way construction work is figured. A good deal of it comes from neglecting a number of items which we have mentioned above and which do not appeal to some men as being of enough moment to give direct consideration to when making figures. Other trouble comes from not keeping careful cost data of work done and analyzing such costs.

It is not the purpose of this paper to go into detail regarding such things, but we believe that a contractor should avoid using manufacturers' statements of operating costs as well as any other stopwatch method, as they usually spell loss if not disaster. A certain amount of work done per day with a crew operating at a certain expense per day never means that the division of that daily cost by that daily output is the unit cost of the item in question. There are delays and other things which so affect this price that it may be over one-hundred per cent out from actual cost when all things are taken into consideration.

*Report of Committee on Cost Estimating of the Northwestern Association of General Contractors. The Committee included N. F. Helmers, Chairman, J. C. Baxter and F. J. Herlihy. On account of unavoidable absence, Mr. Herlihy was unable to cooperate in the preparation of the report. In making its report, however, the Committee called special attention to an analysis of rental charges for contractors' outfit prepared by Mr. Herlihy and published in the Engineering News-Record of January 15, 1920, a part of which is appended as a supplement to this report.—Editor.

## MAKE VIGOROUS PROTEST AGAINST ANY PROPOSED STOPPAGE OF HIGHWAY WORK

The New York Times of May 21 reported that the Association of Railway Executives intends to urge the Interstate Commerce Commission to refuse cars and transportation for road building materials. The reason for this proposed action is given as to divert labor and materials to railroad needs.

For the past two or three years highway programs have been either suspended or seriously curtailed. Such discrimination as that proposed should not now be tolerated, particularly because of serious or impending food shortages and also because of the relief which highway transportation has been to industry in handling much traffic which the railroads could not take. Bad as the railroad situation is at the present time, it is almost certain to be worse later when still greater demands will be made for cars for crop movement. If highway construction can continue without undue obstacles, many of the roads now in process of construction will be finished in time to afford greater relief to the railways, and to meet other demands that undoubtedly will be made of them.

Under these conditions it would seem more necessary than ever to emphasize the imperative need of continuing essential road work with all vigor instead of in any way curtailing or handicapping it.

Everyone is interested in seeing our highway programs pushed to completion. Emphatic protest should be made to the Railway Executives Association, 61 Broadway, New York, to the Interstate Commerce Commission, Washington, D. C., and to the President of the American Railway Association, Washington, D. C., against any further obstacles to highway construction. Our readers are urged to cooperate.

## REMOVAL OF AUSTRALIAN IMPORT RESTRICTIONS.

The Commissioner of the Commonwealth of Australia, Mr. Mark Sheldon, New York City, has transmitted on May 17, 1920, the information that the Australian import restrictions against hops, apples, citrus fruits, sheep dip, stranded copper wire, calcium carbide, ale, spirits, perfumed spirits, biscuits, confectionery, eggs, fur apparel, perfumery, jewelry, and automobile bodies, will be removed on May 19, 1920. (Some of these restrictions have been in effect since early in the war.)

The proclamation of November, 1919, prohibiting the importation into Australia of a large number of articles except under license will also cease to be in effect on the same date.

# ADVANCE NEWS
## Official Proposals, Etc.

# Building.

## APARTMENT HOUSES.

Low Bidder.
APARTMENTS Cost, $42,456
OAKLAND, Alameda Co., Cal. Bellvue Avenue.
Three-story frame apartments.
Owner—Mr. Hill.
Architect—Chas. W. McCall, Central Bk. Bldg., Oakland.
Low Bidder—Thos. Cuthbertson, 1766 12th Ave., San Francisco.
The bids have been taken under advisement.

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Plans Being Figured. Bids Close June 11. at 3 P. M.
ALTERATIONS Cost, $10,000
SAN FRANCISCO. Guerrero Street.
Alter two-story frame residence into 2 6-room flats (with 2 garages, social hall and roof garden.)
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Figures are being taken for a general contract.

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Low Bidder.
APARTMENTS & GARAGES Cost. $——
SAN FRANCISCO. Twenty-seventh Ave. and West Clay.
Two-story frame apartments (4 4-room apts. and 4 basement garages).
Owner—Mrs. Willard T. Hunter.
Architect—W. E. Milwain, Albany Blk., Oakland.
Low Bidder—E. J. Montgomery, 1320 Broadway, San Francisco, at approximately $26,000.

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Plans Being Prepared. Contract Awarded.
ALTERATIONS Cost, $——
MANTECA, San Joaquin Co., Cal.
Remodel hospital into apartments.
Owner—Dr. Roscoe N. Gray, Manteca, Cal. "The Sequoia Apartments."
Architect—Not Given.
Contractor—Howard Ross, Manteca.

## BANKS.

Plans Being Prepared.
BANK & STORE BLDG. Cost, $——
LOS ANGELES, Cal., SE Seventh and Alvarado Streets.
One-story and basement brick bank and store building, 104x140.
Owner—Home & Hibernian Savings Bank.
Architects—Walker & Eisen, 1403 Hibernian Bldg., Los Angeles.

## CHURCHES.

Contract Awarded.
MAUSOLEUM Cost, $9,000
COLMA. Salem Cemetery.
Granite mausoleum (marble interior, art glass, etc.)
Owner—J. Gollober.
Architect—M. I. Schwartz, 1202 Nevada Bank Bldg., San Francisco.
Contractor—Raymond Granite Co., 3 Potrero Ave., San Francisco.

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Plans to be Prepared.
CHURCH, ETC. Cost, $——
SACRAMENTO, Cal. No. 620 N Street.
Fireproof church and school buildings.
Owner—Greek Community. Geo. J. Raymond, Capitol National Bank Bldg., Sacramento, Attorney.
Architect—Not Selected.

## FACTORIES & WAREHOUSES.

SOUTH SAN FRANCISCO, San Mateo Co., Cal.—Construction of an iron and steel manufacturing plant, costing $500,000, will be started in this city within the next few weeks, according to information given out at the offices of the South San Francisco Land and Improvement Company, which firm has closed a deal with the new company for twenty acres in the vicinity of Walker and Swift avenues. Engineers have completed surveys and early construction is assured.

The name of the company has not yet been made public.

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Figures Being Taken For Brick and Concrete Work.
BUILDING Cost, $40,000
BERKELEY, Alameda Co., Cal. Second and Bristol Streets.
One-story steel frame, concrete and brick building, 90x200.
Owner—Pacific Guano & Fertilizer Co., Second and Bristol Sts., Berkeley.
Architect and Contractor—The Austin Co. (John Harnish, District Mgr.). Pacific Bldg., San Francisco.

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Completing Plans. Ready for Figures in Ten Days.
FACTORY Cost, $100,000 approximately.
SAN FRANCISCO. NE Bryant and Third Strets.
Three-story brick and steel candy Factory building.
Owner—H. H. Helbush, 40 Montgomery St., San Francisco.
Lessee—Angeles Candy Co.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.

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Contract Awarded.
FACTORY Cost, $——
MANTECA, San Joaquin Co., Cal.
One-story brick cheese factory, 80x30, and one-story frame residence.
Owner—C. Campo, Manteca, Cal.
Architect—Not Given.
Contractor—H. J. Ross, Manteca, Cal.

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Contract Awarded.
WAREHOUSE Cost, $12,500 approximately.
BURLINGAME, San Mateo Co., Cal.
One-story concrete and tile warehouse.
Owner—M. J. Conway, 155 E St., Burlingame.
Architect—W. H. Toepke, 942 Market St., San Francisco.
Contractor—Barrett & Hilp, Sharon Bldg., San Francisco.
NOTE:—This contract is for the concrete and tile work.

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SAN FRANCISCO—The Industrial Department of the Chamber of Commerce announces that an option has been taken by Proctor and Gamble, soap manufacturers of Cincinnati, Ohio, on 30 acres in the vicinity of San Francisco on which it is planned to erect a number of buildings for the manufacture of soap. While the exact location has not been made public it is said to be in the vicinity of Richmond.

No further information regarding the project is available at the present time.

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Plans Being Figured.
WAREHOUSE Cost, $——
SAN JOSE, Santa Clara Co., Cal. South First Street near Grant.
One-story and basement reinforced concrete warehouse, 67x137-6.
Owner—Ellis Levin, 640 S-First St., San Jose.
Architect—W. C. Phillips, 163 N-13th St., San Jose.

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SAN FRANCISCO—Architect Henry H. Meyers, Kohl Bldg., has awarded a contract for excavating a lot for the Pope Estate on Folsom St. between 2nd and 3rd streets to Daniel O'Day, 110 Jessie St. No building will be erected at this time.

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OAKLAND, Cal.—Engineer J. S. Bogart, Mills Bldg., San Francisco, has let a contract to Joe Feeney, 573 47th St., Oakland for excavation in connection with the construction of the addition to the Pacific Coast Shredded Wheat Company's plant at 14th and Poplar Sts., Oakland.

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Contract Awarded.
WAREHOUSE Cost, $——
FRESNO, Fresno Co., Cal. South Broadway and Los Angeles Streets.
One-story brick warehouse, 150x250.
Owner—R. J. Woodward.
Architect & Contractor—R. F. Felchlin Co., Bank of Italy Bldg., Fresno.

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Contract Awarded.
WAREHOUSE, ETC. Cost, $45,000
OAKDALE, Stanislaus Co., Cal.
Warehouse and sulphuring plant, 70x160.
Owner—Oakdale Almond Growers' Association, Oakdale, Cal.
Architects—Wieland, Mazurette & Wieland. Swan Bldg., Modesto, Cal.
Contractor—Frank Fowler.

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Plans Ready for Figures.
ADMINISTRATION BUILDING. Cost, $80,000.

SAN FRANCISCO. SE Bay and Powell Street, 97x160.
Three-story reinforced concrete administration building, 60x125, surrounded with lawns and flowers.
Owner—Simmons Co., 180 Bay St., San Francisco.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.
NOTE:—Figures will be taken for a general contract.

## GARAGES.

Segregated Figures to be Taken Next Week.
GARAGE Cost, $——
SAN FRANCISCO. S Stevenson 25 E New Montgomery Street.
Five-story and basement reinforced concrete garage, 90x70.
Owner—Selah Chamberlain.
Architect—O'Brien Bros., 240 Montgomery St., San Francisco.

Contract Awarded.
GARAGE Cost, $35,000
SAN JOSE, Santa Clara Co., Cal. Market and Balback Streets.
Concrete garage.
Owner—John Corrotto, 560 N-Fifth St., San Jose.
Architect and Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.

GARAGE Cost, $10,000
STOCKTON, San Joaquin Co., Cal. Weber Ave. Bet. Aurora and Sacramento Sts.
One-story fireproof garage, 100x50.
Owner—Katten Bros.
Architect—Losekann & Clowdsley, Elks Bldg., Stockton, Cal.

Completing Plans.
GARAGE, ETC. Cost, $——
LOS ANGELES, Cal. Wilshire Blvd. near Catalina St. at Ambassador Hotel Site.
Two-story reinforced concrete garage, 360x60, with servants' quarters on second floor, and reinforced concrete motion picture theatre.
Owner—California Hotel Co.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.

Owners Taking Sub-Figures.
GARAGE Cost, $100,000
SAN FRANCISCO. W Beale 137-6 N Mission Street, 91-8x137-6.
Three-story and basement reinforced concrete garage (pile foundation).
Owner—McKillop Bros., 540 Cole St., San Francisco.
Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.
NOTE—The height has been changed from one-story to three stories.

Segregated Figures to be Taken Next Week.
GARAGE Cost, $75,000
SAN FRANCISCO. N Sacramento St., bet. Taylor and Mason Streets.
Two-story and basement reinforced concrete public garage.
Owner—John Proctor.
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

## GOVERNMENT WORK AND SUPPLIES.

PORTLAND, Ore.—Bids for constructing the Mt. Baker National Forest road project located within the Washington National Forest, in Whatcomb county, will be received by C. H. Purcell, district engineer, bureau of public roads, at 204 Post Building, Portlan until June 15.

The length of the project to be constructed or improved is about 8 and one-half miles, and the principal items of work are as follows:

29,000 cu. yds. common excavation; 55,000 cu. yds. rock excavation; 43 acres of clearing; 30 acres of grubbing; 1 119-foot span bridge.

WASHINGTON, D. C.—Up to June 12th, 10:30 A. M., bids will be received by the General Purchasing Officer, The Panama Canal, under Circular No. 1371 for furnishing and delivering the following materials at Cristobal (Atlantic Port) or Balboa (Pacific Port):

Electric welding outfit, vacuum exhaust outfit, steel, electric bells, marine connecting boxes, copper cable, conduit cutting tool, fiber conduit, condulets, cutouts, electric fans, signal lanterns, motor, lighting projectors, lead sleeving, transformers, slate, steel and wood office furniture, blackboards, clocks, wood and steel school furniture, wood typewriter tables, maps and cases, book covers, cargo check books, composition books, transfer cases, carboard, carbon paper, composition paper, fish paper, Douglas fir or Southern yellow pine lumber and millwork.

WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer, The Panama Canal, up to 10:30 A. M., June 18th, for furnishing and delivering under Circular No. 1372 the following materials, free of all charges, at Crostobal (Atlantic Port) or Balboa (Pacific Port):

Steel or iron sheet, tool steel, pig iron, antimony, pig lead, phosphor tin, boilers, steel rope, iron rope, bronze rope, steel wire, pipe fittings, cocks, valves, fire brick, silica sand, and bituminous enamel.

BENICIA, Solano Co., Cal.—The following two bids were received on June 1st by Col. E. P. O'Hern, Commanding Officer at the Benicia Arsenal, for furnishing material and labor for the erection and completion of a Service Station and the furnishing and installation of pumps, tanks and automobile scales, at Benicia Arsenal, Benicia, Cal.:

Robert Trost, San Francisco.....$3956
O. H. Newson, Benicia..... 4628

Bids were taken under advisement.

SEATTLE, Wash.—Up to June 25th, 12 M., bids will be received by the U. S. Engineers Office for dredging at Port Gamble, Washington.

PUGET SOUND, Wash.—The following bid was received by the public works officer, navy yard, Puget Sound, Wash., May 24, under specification 4144, for apartment buildings and septic tank:

Nicholas Fleiness, Seattle, Wash., $18,650, time 100 days.

The bid has been forwarded to Washington for approval.

SAN FRANCISCO—The following bids for constructing a storehouse at Decoto, Alameda County, was received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 886 Mills Bldg., San Francisco, on June 1st and the contract awarded to the lowest bidder, C. A. Bruce & Sons, Pleasanton, at $7,916.

Cavanaugh, Zamballi & McLean.$10,650
Vukicevich & Bagge..... 8,864
C. Christensen & Son..... 8,312
Alfred N. Vogt..... 9,878
Hother Glahn ..... 8,188
C. A. Bruce & Sons..... 7,916

1st report May 22, 1920. R

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C. for furnishing and delivering materials under the following schedules, the date for opening bids is noted at end of each paragraph:

Schedule 6111, for eastern and western yards, jacks, opening of June 18.

Schedule 6157, for eastern and western yards, steel reamers and arbors, opening of June 5.

Schedule 6161, for eastern and western yards, 1 template paper, opening of June 11.

Schedule 6166, for eastern and western yards, petroleum spirits, opening of June 15.

Schedule 6177, for eastern and western yards, white and red lead, opening of June 15.

Schedule 6178, for eastern and western yards, calcium magnesium chloride, opening of June 11.

Schedule 6180, for eastern and western yards, miscellaneous steel wire nails, opening of June 22.

Schedule 6184, for Puget Sound, 100 water closet valves, opening of June 15.

Schedule 6190, for Puget Sound, 980 feet steel tubing, opening of June 18.

Schedule 6205, f. o. b. works, 561,500 pounds steel rivets, opening of June 18.

Schedule 6206, f. o. b. works, medium steel plates, beams, channels, shapes, bars and rounds, opening of June 18.

Schedule 6208, for Mare Island, 6,000 feet lighting and power wire, opening of June 15

WASHINGTON, D. C.—Bids will be received by the Buerau of Yards and Docks, Navy Department, Washington, D. C. up to June 16, under specification 4179, for auxiliary equipment and piping for air compressor. Estimated cost, $60,000.

Following is a list of prospective bidders for the work:

Power Heating & Ventilating Co., 66 Travers street, Boston, Mass.

General Heating & Ventilating Co., 198 Milwaukee street, Milwaukee, Wis.

John W. Danforth, 70 Ellicott street, Buffalo, N. Y.

Best Co., Arrott Building, Pittsburgh, Pa.

Austin Engineering Co., 121 West 42d street, New York city.

Charles C. Moore & Co., Sheldon Building, San Francisco, Calif.

Whitlock Coil Pipe Co., Hartford, Conn.

General Electric Co., Schenectady, N. Y.

Buffalo Steam Pump Co., 490 Broadway, New York city.

Westinghouse Electric and Mfg. Co., Hibbs Building, Washington, D. C.

WASHINGTON, D. C.—Plans for the following improvements have been completed by the Bureau of Yards and Docks, Navy Department, Washington, D. C. and a call for bids will be issued in the near future for each project separately.

Specification 4199, for furnishing and installing cold storage insulation in the industrial building and in the six barracks building, marine barracks, naval base, San Diego, Calif.

Specification 4185, Kuahua, T. H., high-pressure air line; estimated $10,000.

Specification 4157, San Diego, quarter-master's storehouse; estimated $150,000.

The American Fence Co., 96 Church St., New York City is a prospective bidder for work under Specification No. 4197 at Mare Island Navy Yard, consisting of fence and gate construction, estimate cost of which is $16,000.

WASHINGTON, D. C.—Up to June 23rd bids will be received by the Bureau of Yards and Docks, Navy Department, Washington, D. C., under specification 4194, for laundry equipment at the Marine Corps base, San Diego, Calif. Estimated cost, $17,000.

Prospective bidders for this work follow:

Poland Laundry Machine Co., 37 Kemble street, Boston, Mass.

American Laundry Machinery Co., 134 W. 37th street, New York city.

SAN FRANCISCO—Bids will be received by the Zone Supply Officer, Fort Mason, up to June 14th for furnishing and delivering under Circular No. 20332 forty-eight square axle nuts, 24 left, 24 right.

## HALLS & SOCIETY BUILDINGS

Contract Awarded.
LABOR TEMPLE Cost, $60,000
VALLEJO, Solano Co., Cal. 300 Block of Virgina Street.
Three-story fireproof labor temple.
Owner—Vallejo Trades & Labor Council, Vallejo, Cal.
Designer & Contractor—Geo. Cassidy, Vallejo, Cal.
NOTE:—Construction will be started when structures now on the site have been removed.

Plans to be Prepared.
LODGE HALL Cost, $75,000
BAKERSFIELD, Kern Co., Cal. 17th and I Streets.
Fireproof lodge hall.
Owner—B. P. O. E., Bakersfield Lodge, No. 266.
Architect—Not Given.

Plans to be Prepared. Site Selected.
CLUB HOUSE Cost, $10,000
SANTA ROSA, Sonoma Co., Cal.
Club house building.
Owner—Santa Rosa Golf and Country Club, Santa Rosa.
Architect—Not Yet Selected.

Plans Being Prepared.
CLUB HOUSE Cost, $——
LOS ANGELES, Cal. Pico Blvd. near Speedway.
Frame club house, 207x240 (600 steel lockers).
Owner—California Hotel Co.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.

Plans Being Prepared.
ADDITION Cost, $——
SALINAS, Monterey Co., Cal.
Two-story reinforced concrete addition to lodge building.
Owner—Elks Lodge of Salinas.
Architect—Ralph Wyckoff, 328½ Main St., Salinas.

Contract Awarded.
LODGE AND STORE ROOMS Cost, $25,000.
ROESBURG, Oregon.
Three-story fireproof lodge and store rooms.
Owner—Roseburg Lodge of I. O. O. F.
Architect—Not Given.
Contractor—John E. Runyon, Roseburg Oregon.

## HOSPITALS.

GLENDALE, Los Angeles Co., Cal.—The Glendale Sanitarium, which owns an entire block on Broadway between Isabel and Jackson Sts., Glendale, expects to break ground in a week or ten days for the first unit of a modern $400,000 group of hospital buildings. Plans for this unit, which will be an operating and clinic building, are being completed by L. M. Hodge who has a drafting room in the present building on the site; it will be a 1-story U-shaped structure, 146x116 ft., probably reinforced concrete frame with hollow tile filler walls; it has not been decided whether to handle the work by contract or day work. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles are preparing plans for a septic tank sewer system, and Geo. B. Larimer, Baker-Detwiler Bldg., is preparing plans for a central heating plant. The plan contemplates a group of 10 buildings including administration and service building, hospital and dormitory, men and women's hydrotherapy building and guests' building. Construction will be spread over a two-year building period. C. E. Kimlin, manager of the sanitarium, is in charge of the construction program.

Plans Being Prepared.
HOSPITAL Cost, $350,000
PASADENA, Los Angeles Co., Cal. Fremont and Congress Streets.
Class "A" reinforced concrete hospital building.
Owner—Pasadena Hospital Association
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.

Plans Being Completed.
HOSPITAL Cost, $200,000 Structure complete.
BEND, Oregon.
First unit of three-story brick and stone hospital, 38x90.
Owner—Sisters of St. Joseph, Bend.
Architect—Lee Thomas, Bend, Ore.

## HOTELS.

Contract Awarded.
HOTEL Cost, $140,000
SEATTLE, Wash. King and Manard Streets.
Three-story masonry hotel and (9) stores, 97x120, 100 rooms.
Owner—Not Given.
Architect—Thompson & Thompson, Mutual Life Bldg., Seattle.
Contractor—Kelgren & Hoard Co., Pantages Bldg., Seattle.

Plans being prepared.
HOTEL Cost, $350,000
CORVALLIS, Oregon.
Four-story reinforced concrete hotel 75x100. 110 guest rooms.
Owner—Corporation now being formed headed by C. O. Lauritzen, Sect'y. of Commercial Club, Corvallis, Ore.
Architect—Edmund Bergholtz., Spaulding Bldg., Portland, Ore.

Contract Awarded.
ALTERATIONS Cost, $15,000 approximately.
SAN FRANCISCO. Ellis St. near Fillmore Street.
Alter saloon into lobby, entrance and rooms for hotel.
Owner—Withheld.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.
NOTE:—Work includes fire escapes, exterior plaster, Oregon pine trim, etc.

## POWER PLANTS.

BERKELEY, Alameda Co., Cal.—Bids will be received by Nellie L. Crowl, Secretary of the Berkeley Board of Education, 2133 Allston Way, Berkeley, up to 4 P. M., June 29th, for furnishing and installing complete deep-well pumping head, motor, belt for transmission, necessary foundations, all pipe connections, and all necessary electric power connections for well at each of the following schools in the Berkeley School District: Thousand Oaks School, situated at the corner of Tacoma and Colusa Avenues; Luther Burbank School, situated on the south side of University Avenue between Bonar and Curtis Streets, and the Frances Willard School, situated on the east side of Telegraph Avenue, between Ward and Stuart Streets.

Certified check for 10% payable to Board of Education required. Specifications may be had from the office of the Secretary.

## PUBLIC BUILDINGS.

Plans being figured. Bids close June 15th, 10 A. M.
ALTERATIONS AND ADDITIONS Cost, $———.
SACRAMENTO, Calif. 1510 Third St.
Alterations and additions to the E. B. Crocker residence and annexing same to present Crocker Art Gallery.
Owner—City of Sacramento.
Architect—F. H. Schardin, 911 "O" St., Sacramento, Calif.
Plans may be seen at the office of the City Clerk at Sacramento. Certified check 10% payable to City Clerk required.

STOCKTON, San Joaquin Co., Cal.—The contract for furnishing and installing fireproof steel safes and cabinets in the offices of the Auditor, Assessor and Superintendent of Streets, has been awarded by the City Council to W. S. Kendall Co., at $2,496.

RED BLUFF, Cal.—Bids were opened on June 1st by the Supervisors of Tehama County for the construction of a two-story concrete and interlocking tile Court House from plans prepared by Architect Geo. C. Sellon & Co., Mitau Bldg., Sacramento.

Bids were taken on three propositions as follows: A general contract; general contract, except the mechanical equipment and segregated contracts on all parts of the work.

All bids were rejected except the bid of The Mathews' Construction Co., Forum Bldg., Sacramento for the general contract at $204,664 which will be held for ten days. Following is a complete list of the bids.

**General Contract (Building Complete)**
Mathews' Constr. Co., Sacto...$204,664
**General Contract Except Mechanical Equipment**
McLeran & Peterson, S. F.....$194,316
Clinton Constr. Co., S. F.....$198,000
**Masonry and Carpentry Work**
Clinton Constr. Co., S. F.....$106,000
H. Holland..... 94,000
**Plastering**
H. Holland.....$36,000
**Mechanical Equipment**
Latourrette-Fical Co., Sacto....$28,990
**Painting and Glazing**
I. R. Kissell, S. F.....$9,953
**Painting Only**
D. Zelinsky & Son.....$3,750
**Structural and Ornamental Iron**
Louis Cohn .....$19,719
**Marble and Tile Work**
Sacramento Marble and Tile Co..$14,100
**Roofing**
Cannon & Co., Sacto.....$3,700
Allied Industries, Inc..... 3,340
W. H. Johns-Manville Co., S. F... 3,388

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Plans Being Prepared.
CITY HALL Cost, $——
SAN MARINO, Cal.
Two-story brick and hollow tile City Hall, 36x68 with 2 one-story wings, 20x85.
Owner—City of San Marino.
Architect—W. A. O. Munsell, 414 Stimson Bldg., Los Angeles.

## RESIDENCES.

Plans Being Figured.
RESIDENCE Cost, $15,000
STOCKTON, San Joaquin Co., Cal.
Two-story frame and stucco residence (9 rooms).
Owner—Mr. C. A. Bachelder, President Holt Bros. Co., 914-24 Folsom St., San Francisco.
Architect—W. C. Milwain, Albany Blk., Oakland.
Plans Complete.
RESIDENCE Cost, $——
LOS ANGELES, CAL. Los Feliz Road ner Vermont Avenue.
Two-story brick residence. 12 rooms and 4 bathrooms, billiard room, etc.
Owner—Mrs. C. E. Wiswale.
Architect—J. C. Austin, 1125 Baker-Detwiler Bldg., Los Angeles.

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Plans Being Prepared.
RESIDENCE Cost, $——
SAN FRANCISCO. Claremont Court View.
Two-story frame and plaster residence and garage (about 9 rooms).
Owner—Harry Bercovich, 501 Montgomery St., San Francisco.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

NOTE:—Construction will not be started until prices in materials come down.

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Preliminary Plans Being Prepared.
RESIDENCE Cost, $——
SAN FRANCISCO. St. Francis Wood.
Frame residence.
Owner—Dr. Robbins.
Architect—Wm. H. Crim, 425 Kearny St., San Francisco.

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To be done by Day's work.
DWELLINGS Cost, $——
Twenty frame dwellings.
Owner—Associated Oil Co., Avon, Cal.
Architect—Owners.

As housing accommodations are not adequate in Martinez, it has been found necessary for the oil concern to construct dwellings for their employees on the property.

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Contract Awarded.
SAN FRANCISCO. St. Francis Blvd.
Two-story frame and plaster residence (9 rooms and 3 bathrooms, separate garage).
Owner—Dr. Wallace Smith, Stanford Court Apartments.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, 180 Jessie St., San Francisco.

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SANTA BARBARA, Santa Barbara Co., Cal.—The Parker Brick & Tile Co. has the general contract to erect three hollow tile residences on a tract in Montecito for W. S. Spaulding of Boston. These are the first of 12 similar houses to be erected in the tract at a cost of $320,000. They will each be two stories with tile walls, plastered exteriors and tile roofs, and will contain eleven living and sleeping rooms and four bathrooms. Winsor Soule, 1206 state St., Santa Barbara is the architect. Ralph T. Stevens is the landscape architect. Youmans & Webber will do the decorating, painting, draping and furnishing. Robert Hyde is manager for Mr. Spaulding.

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Contract to be Awarded Shortly.
RESIDENCE Cost, $65,000
PIEDMONT, Alameda Co., Cal. Piedmont Acres.
Two-story frame and plaster residence and garage.
Owner—Frank H. Buck.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

NOTE:—Slight revises are being made on the plans which will be refigured by the lowest bidders, and a contract awarded in a few days.

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Working drawings being prepared.
RESIDENCE AND GARAGE
Cost, $25,000 to $30,000.
Two-story frame and plaster residence and garage (12 rooms).
Owner—Dr. I. W. Robbins.
Architect—W. H. Crim, Jr., 425 Kearny St., San Francisco.

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Preliminary Plans Being Prepared.
RESIDENCE Cost, $——
PIEDMONT, Alameda Co., Cal.
Two-story and basement frame and plaster residence.
Owner—Withheld.
Architects—Sidney B. and Noble Newsom, Nevada Bank Bldg., San Francisco.

Plans Complete.
RESIDENCES Cost, $20,000 each
SAN FRANCISCO. Sea Cliff.
Two two-story frame and plaseer residences and garage (9 rooms and sleeping porch each).
Owners—L. H. and P. H. Silberman, 565 17th Ave., San Francisco.
Architect—W. H. Crim Jr., 425 Kearny St., San Francisco.

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Commissioned to Prepare Plans.
COTTAGES, ETC. Cost, $——
PORTLAND, Ore. East side of Willamette River, opposite Oswego.
Between 25 and 30 separate buildings, cottages, etc.
Owner—Wemme Endowment Fund, held by Portland Christian Science Churches, H. D. Killham, Secretary and O. M. Hubbell, President.
Architects—Sutton & Whitney, Lewis Bldg., Portland, Ore.

## SCHOOLS.

Plans Being Figured. Bids Close June 15, 5 P. M.
HEATING PLANT Cost, $——
ANTIOCH, Contra Costa Co., Cal.
Installation and completion of a heating plant in the Antioch Grammar School.
Owner—Antioch Grammar School District. M. D. Field, Clerk, Antioch.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Certified check of 5% payable to Clerk of District required. Deposit of $20 for plans and specifications which may be had from office of architect.

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Plans being figured. Bids close June 18.
REMODELING, ETC. Cost, $——
BAKERSFIELD, Kern Co., Calif., Los Hills School District.
Remodeling school Building, erection of 5-room teacherage and water tank.
Mr. Gender, Clerk.
Owner—Lost Hills School District.
Architect—Eugene K. Martin, Bakersfield California.

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All bids rejected.
HIGH SCHOOL Cost, $150,000
MARTINEZ. Contra Costa Co., Cal.
Two-story reinforced brick or reinforced concrete high school.
Owner—Alhambra Union High School District.
Architect—A. A. Cantin, 68 Post St., San Francisco.

NOTE—All bids have been rejected as being too high, and it was decided to wait indefinitely before calling again for bids.

No acceptable bid has been received for the purchase of the bonds.

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Contract Awarded.
SCHOOL Cost, $27,565
CALWA, Fresno Co., Cal.
School and outbuildings.
Owner—Calwa School District. B. H. Bon, Clerk of Board, Calwa, Cal.
Architects—Swartz & Ryland, 624 Rowell Bldg., Fresno.
Contractor—W. J. Ochs, Coalinga, Cal.

The only other bidder was Bos & O'Brien of San Francisco at $27,970.

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TERRA BELLA, Tulare Co., Cal.—An election to vote bonds of $14,000 to erect and equipt a new school build-

ing will be held in the Saucelito School District June 28th. This will be the third election, others having carried, but owing to errors in the proceedings were held illegal.

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Plans Being Prepared.
GYMNASIUM Cost, $12,000
MONMOUTH, Oregon.
Frame gymnasium, 50x100.
Owner—Monmouth School District.
Architect—Chas. H. Burgraff, Albany, Oregon.

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Plans Being Prepared.
SCHOOL Cost, $23,500
AURORA, Oregon.
Brick, concrete or tile school, 74x90.
Owner—Aurora High School District.
Architect—Chas. H. Burgraff, Albany, Oregon.

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SEATTLE, Wash.—The following subcontracts have been awarded for the Highland Park School to be erected by the Seattle School District:

Heating and ventilating to University Plumbing & Heating Co. of Seattle, $32,565.

Plumbing to King Plumbing & Heating Co., of Seattle, at $15,725.

Electrical work to J. J. Agutter & Co., Seattle. $3,460.

Plans were prepared by F. A. Naramore, City Architect of Seattle.

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OAKLAND, Cal.—Up to June 14th, 3 P. M., bids will be received by Lloyd D. Barzee, Secretary of the Oakland High School District, Room 1104 City Hall, for furnishing and delivering certain lumber supplies for the period commencing July 1, 1920, and ending June 30, 1921.

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ANAHEIM, Orange Co., Cal.—A. L. Gribling, Anaheim, submitted the lowest bid at $147,951 for all work complete for the erection of new buildings at the Anaheim high school in accordance with plans prepared by Architects Jeffery & Schaefer, 1106 Kerckhoff Bldg. The other bids received were: Edwards, Wildey & Dixon, $170,000 and K. R. Bradley Construction Co., $182,000. The bids were taken under advisement until Saturday night. The buildings will include a large one story hollow tile auditorium, 80x140, and a one-story frame and hollow tile veneer gymnasium and cafeteria building, 50x70.

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HOLLISTER, San Benito Co., Cal.—Bonds of $110,000 have been voted for a new grammar school building.

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WILLOWS, Glenn Co., Cal.—No bids were received by the Supervisors for the purchase of the $18,000 bond issue of the Jacinto School District. Proceeds of the sale were to finance construction of a new school building. The bonds carry 6% interest.

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Contract Awarded.
SCHOOL Cost, $13,065
TRAVER, Kern Co., Cal.
One-story 2 classroom and assembly hall frame and plaster school.
Owner—Traver School District.
Architect—J. M. Saffell, Bakersfield, Cal.
Contractor—S. C. Simmons, Kingsburg, Cal.
Other bidders were: Knobles & Toothacre, Visalia, $15,900; Barkelow & Gould, Tulare, $15,850; G. A. Graham, Kingsburg, $16,620; T. L. Cummins, Bakersfield, $14,700; Mr. Walker, Corcoran, $13,910.

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Plans Being Figured. Bids Close June 16, 1920.
SCHOOL BUILDINGS Cost, $50,000
DINUBA, Tulare Co., Cal.
Erection of school buildings.
Owner—Dinuba School District. A. T. White, Clerk, Dinuba, Cal.
Architects—Glass & Butner, Cory Bldg., Fresno, Cal.
Plans may be had from the office of the architects.

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Plans being figured. Bids close June 12, 1920, 2 P. M.
HIGH SCHOOL Cost, $45,000
MOORPARK, Los Angeles Co., Los Angeles.
One-story and basement hollow tile high school.
Owner—Moorpark Memorial Union, High School District.
Architect—Mott Marston, 535 I. W. Hellman Bldg., Los Angeles.
Bids will be taken separately for the different parts of the work as follows: (1) general work; (2) plumbing; (3) electrical work; (4) heating and ventilating; (5) program clock.

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BAKERSFIELD, Kern Co., Cal.—Local banks have offered to purchase $50,000 of the $300,000 school bonds recently voted. The offer has been taken under advisement by the County Supervisors.

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Plans Being Figured. Bids Close June 18, 2 P. M.
SCHOOL Cost, $——
KEYES, Stanislaus Co., Cal.
Furnishing and delivering lumber and other materials for 1-room school building.
Owner—Keyes Grammar School District, Chas. Austin, Clerk, Keyes, Calif.
Architect—Not Given.

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ANAHEIM, Orange Co., Cal.—A. L. Gribling, Anaheim, has been awarded the contract at $147,951 for all work complete for the erection of new buildings at Anaheim high school, in accordance with plans prepared by Architects Jeffery & Schaefer, 1106 Kerckhoff Bldg., The buildings will include a large auditorium and a gymnasium and cafeteria building. The auditorium will be of hollow tile and steel construction, one-story. 80x140 feet, with a balcony.

The gymnasium will be 50x75 feet, and cafeteria 50x70 feet. Frame construction, hollow tile veneer, plastered exterior.

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BERKELEY, Cal.—The Berkeley Board of Education awarded the following contracts at a special meeting on June 3rd for the construction of the Lincoln and Garfilled Schools:

Plans for the Lincoln School were prepared by Architect W. H. Ratcliff, Jr., and for the Garfield School by Wm. Hays.

**Lincoln School**

**Excavating.**
K. E. Parker Co., San Francisco.$11,100
**Concrete Work.**
K. E. Parker Co.....$20,200
**Brick Work.**
Mealy & Collins, S. F.....$52,770
**Structural Iron Work.**
Golden Gate Iron Works at $10,485.
NOTE—This company asked to withdraw their bid. If the withdrawal is accepted the contract will be awarded to the next lowest bidder, who is the Jensen Iron Works at $11,594.
**Lathing and Plastering.**
Geo. Dixon, Oakland.....$11,576
**Roofing and Sheet Metal Work.**
Heidt Cornice Works, S. F.....$4,249
**Plumbing.**
Scott & Co., Oakland.....$9,988
**Electrical Work.**
Spencer Electric Co.....$6,500
**Painting.**
R. Zelinsky, San Francisco.....$4,565
**Shades.**
Paul Swedberg Co., Berkeley..$644.20
**Heating.**
Scott Co., Oakland.....$7,697

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**Garfield School.**

**Excavating and Grading.**
J. H. Green.....$3,930
**Concrete Work.**
Barrett & Hilp, San Francisco..$26,823
**Masonry.**
H. Beckwith .....
**Structural Iron Work.**
Schrader Iron Works, S. F.....$2,125
**Carpentry Work.**
Connor & Connor, Berkeley....$74,022
**Heating.**
Carl T. Doell.....$10,699
**Lathing and Plastering.**
Geo. Dixon, Oakland.....$16,500
**Ornamental Iron Work.**
Pacific Coast Iron & Wire Co., San Francisco .....$984
**Electrical Work.**
Not decided.
**Plumbing.**
F. W. Snook Co., San Francisco..$8,992
**Painting.**
Burden & Burkhouse.....$4,300
**Shades.**
D. N. & E. Walter & Co., S. F.....$1,007
**Lockers.**
Berger Mfg. Co., San Francisco.$10,166
**Linoleum.**
Not to be installed at this time.
**Sheet Metal Work.**
Walter Mork .....$3,227
**Roofing.**
H. Brown Roofing Co.....$4,552

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VACAVILLE, Solano Co., Cal.—An election will be held in the Allendale School District June 22nd to decide the question of issuing and selling bonds of $3,200 for erecting a school and furnishing same.

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FAIRHAVEN, San Benito Co., Cal.—Bonds of $10,000 have been voted in the Fairhaven School District to finance the erection of a new school building.

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TERRA BUENA, Sutter Co., Cal.—At a recent meeting of the School Trustees it was decided that a school building to cost $24,000 should be built. The school will also be used as a community center.

Funds to finance construction will be raised through a bond election.

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LIVERMORE, Alameda Co., Cal.—Steps are being taken to call an election to vote bonds with which to finance construction of a new grammar school building.

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orcherdists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

Plans being figured.
SCHOOL Cost, $——
OCEAN PARK, Los Angeles Co., Los Angeles.
Two-story and basement brick Parochial school.
Owner—Roman Catholic Archbishop (Rev. Hennessy, director of school).
Architect—A. C. Martin, 432 Higgins Bldg., Los Angeles.

Plans Being Figured. Bids Close June 12th, 8 P. M.
ALTERATIONS Cost, $——
ROSS, Marin Co., Cal.
Alterations and additions for school building. Separate blds wanted for heating system.
Owner—Ross School District. Thos. O'Connell, Clerk, Ross.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
Plans may be seen at the office of the architect. Certified check of 5% payable to Clerk of District required.

Plans Being Prepared.
GYMNASIUM Cost, $20,000
CARSON CITY, Nevada.
Gymnasium building for high school.
Owner—Carson City High School District.
Architect—F. J. DeLongchamps, Gazette Bldg., Reno, Nevada.

Plans Being Figured. Bids Close June 12th, 2 P. M.
SCHOOL Cost,——
EDGEWOOD, Siskiyou Co., Cal.
One-story brick school.
Owner—Edgewood School District. E. H. Caldwell, Clerk, Edgewood.
Architect—Not Given.
Plans may be seen at the office of the County Superintendent of Schools at Yreka, Cal.

Plans being figured.
BUILDING AND ADDITION
Cost, $——.
SANTA CRUZ, Santa Cruz Co., California.
Addition to Laurel Primary School and erection of manual training building.
Owner—City of Santa Cruz, J. W. Linscott, Secretary Board of Education, Santa Cruz, California.
Architect—Collins & Byrne, New Theatre Bldg., Santa Cruz.

Bids Opened.
SCHOOL Cost, $——
PARADISE, Butte Co., Cal.
One-story and basement 4-room school building.
Owner—Paradise School District.
Architect—A. J. Bryan, Chico, Cal.
L. Van Vlack, Chico.....$26,168
C. B. Johnson, Chico..... 27,518
The bid of Van Vlack was $11,168 above the estimated cost of construction. The bids were taken under advisement.

Completing Plans.
HIGH SCHOOL. Cost, $45,000
DENAIR, Stanislaus Co., Cal.
One-story brick and concrete high school.
Owner—Denair High School District.
Architects—Davis, Heller & Pearce, Belding Bldg., Stockton.
Plans will be completed next week.

## STORES AND OFFICES.

Contract Awarded.
OFFICE AND FLAT BUILDING.
Cost, $13,310.
RICHMOND, Contra Costa Co., Cal. N Macdonald Ave. bet. 10th and 11th Streets.
Two-story office and flat building.
Owner—Dr. Margarete Deininger-Keaer, 919 Macdonald Ave., Richmond.
Architect—Not Given.
Contractor—John C. Thornton, Union Labor Hall, Richmond.

Plans Complete.
STORES, ETC. Cost, $12,000
VALLEJO, Solano Co., Cal. 200 Block of Georgia Street.
Three-story frame stores and lodging house, 25x130.
Owner—Joseph Clavo, Vallejo, Cal.
Architects—Perry & Clark, 1209 Sutter St., Vallejo, Cal.

Figures to be Taken Shortly.
STORE BLDG. Cost, $25,000
CHOWCHILLA, Madera Co., Cal.
One-story concrete and brick store building.
Owner—C. H. Hendrick.
Architect—Smith O'Brien, 742 Market St., San Francisco.

Plans Being Prepared.
MARKET BLDG. Cost, $55,000
SAN FRANCISCO. Down Town District
One-story and basement Class "C" market Building.
Owner—Withheld.
Architect—Smith O'Brien, 742 Market St., San Francisco.

Figures Being Taken From A Selected List of Contractors.
STORE AND LOFT BUILDING.
Cost, $300,000 approximately.
SAN FRANCISCO. NE First and Mission Streets.
Five-story and basement reinforced concrete wholesale building.
Owner—C. C. Moore & Co., Sheldon Bldg., San Francisco.
Architect—Frederick H. Meyer, 742 Market St., San Francisco.
The occupants of the building will be Clayberg Bros., Lazare-Klein Company and Bauer Brothers.

Plans Being Figured. Bids Close June 15th, 3 P. M.
STORES AND OFFICES Cost, $30,000
WILLOWS, Glenn Co., Cal.
Two-story and basement reinforced concrete and frame stores and offices.
Owner—Withheld.
Architect—Otto A. Deichmann, Willows Calif.

Plans Being Figured.
ALTERATIONS Cost, $4,000
SAN FRANCISCO. Grant Avenue and Manila Street.
Extensive alterations to restaurant.
Owner—Blue Bird Tea Room, 318 Stockton St., San Francisco.
Architect—Frank S. Holland, Call Bldg., San Francisco.

Plans being prepared. Contract Awarded.
BUILDING Cost, $1,000,000
FRESNO, Fresno Co., California. Mariposa and J Sts.
Twelve or fifteen-story Class "A" office and bank building (80x100).
Owner—The Fidelity Trust and Savings Bank, Wylie M. Giffen, President.
Architect—R. F. Felchlin (member of firm R. F. Felchlin Co.), Bank of Italy Bldg., Fresno, Cal.
Contractor—Trewhitt-Shields, Rowell Bldg., Fresno, Cal.
According to an announcement, the bank will build "when materials and conditions justify." It is expected that this period will be reached in time to begin building within the year, which will be about as soon as the plans and preliminaries for such a building can be completed.

Preliminary Plans Being Prepared.
TELEPHONE EXCHANGE Cost, $—
MODESTO, Stanislaus Co., Cal.
Three-story Class "A" telephone exchange building.
Owner—Pacific Tel. & Tel Co.
Engineer—E. V. Cobby, 333 Grant Ave., San Francisco.

Preliminary Plans Being Prepared.
TELEPHONE EXCHANGE Cost, $——
RICHMOND, Contra Costa Co., Cal. NW Macdonald Ave. and 21st St.
Three-story reinforced concrete or steel and reinforced concrete telephone exchange building.
Owner—Pacific Tel & Tel. Co.
Engineer—E. V. Cobby, 333 Grant Ave., San Francisco.

## THEATRES.

Sub-Figures Being Taken.
THEATRE Cost, $——
RICHMOND, Contra Costa Co., Cal. Macdonald Avenue.
Class "A" motion picture theatre.
Owner—Turner & Dahnken, San Francisco.
Architect—A. W. Cornelius, Merchants National Bk. Bldg., San Francisco.
NOTE:—The foundation is being laid.

To be Done by Day's Work.
THEATRE Cost, $——
PHOENIX, Arizona.
Class "A" theatre, 66x125, 1000 seats.
Owner—Richards & Nace.
Architect—Wm. Curlett & Son, 518 Merchants National Bank Bldg., San Francisco.
Bids are now being received for various materials and subcontracts.

Contract Awarded.
THEATRE, ETC. Cost, $——
SALINAS, Monterey Co., Cal.
Reinforced concrete theatre, store and offices.
Owner—Brown Bros., Salinas.
Lessee—Turner & Dahnken, San Francisco.
Architect—A. W. Cornelius, Merchants National Bk. Bldg., San Francisco.
Contractor—B. H. Douglas, King City.
NOTE:—Work has been started.

Bids Opened and Taken Under Advisement.
ALTERATIONS Cost, $50,000
SOUTH BERKELEY, Alameda Co., Cal. Adeline Street (Lorin Theatre).
Extensive alterations and additions to brick and concrete motion picture theatre.
Owner—Beach & Krahn Amusement Company.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
C. D. Vezey, 1531 Alcatraz avenue, Oakland, submitted the lowest bid for the general construction at $38,736. The bids received were as follows:

**General Contract.**

| | |
|---|---|
| C. D. Vezey, Oakland | $38,736 |
| H. C. McCullough, Berkeley | 39,750 |
| Walter Sorensen, Berkeley | 41,538 |
| C. Texdahl, Berkeley | 43,500 |

**Electric Work.**

| | |
|---|---|
| B. C. White, Berkeley | $1,385 |
| Berkeley Electric Co., Berkeley | 1,395 |
| Capital Electric Co., Berkeley | 1,600 |
| Bradshaw Electric Co., Berkeley | 1,650 |

**Heating.**

| | |
|---|---|
| J. J. Collins, Berkeley | $2,390 |
| W. K. Nottingham, Berkeley | 2,666 |
| Scott Co., Oakland | 3,542 |

Plans being prepared.
BUILDING Cost, $———
LOS ANGELES. Main St. near 6th St.
Ten-story Class "A" theatre and mercantile building.
Owner—Gore Bros., et al.
Architect—A. B. Rosenthal, Douglas Bldg., Los Angeles.

Plans being prepared.
BUILDING Cost, $500,000
LOS ANGELES. Hollywood, Blvd. near Cahuenga Ave., Los Angeles.
Class "A" theatre, office and store building.
Owner—Gore Bros., et al.
Architect—A. B. Rosenthal, Douglas Bldg., Los Angeles.

### FRESNO PROPERTY INCREASES TWELVE PER CENT.

FRESNO, Cal.—The assessed valuation of all property in Fresno county this year will amount to $130,000,000, according to forecasts made by County Assessor G. P. Cummings. An increase of $16,000,000 or 12 per cent over last year's assessed valuation, is indicated in this figure.

# Engineering.

## BRIDGES, DAMS & HARBOR WORK.

SAN DIEGO, San Diego Co., Cal.—Council has appropriated $37,000 for a wooden bulkhead at the foot of Market street and has asked for bids for the work.

CARSON CITY, Nevada—Bishop & Griscom, Thoma Bigelow Bldg., Reno, at $9,025 has been awarded the contract for the construction of an arch bridge over Evans Creek, 4 miles south of Reno, by the Nevada State Highway Commission, C. C. Cottrell, Chief Engineer. Other bidders were:
J. L. Hoffman, Gardnerville, Nevada, $10,240 and Jas. J. Burke & Co., Salt Lake City, Utah, $14,485.

FRESNO, Fresno Co., Cal.—Jap. E. Mitchell, Fresno, has been awarded a contract by the County Supervisors for repairing the Reedley and Hanke bridges at $4,400 and $2,050 respectively. Chris P. Jensen is County Engineer.

WILLOWS, Glenn Co., Cal.—County Surveyor Knock has been instructed to prepare plans for a concrete bridge in Road District No. 4 on the Barceloux road near the State highway.

awarded the contract at $16,040 for constructing a reinforced concrete bridge, 170 feet long, consisting of four 40-ft. spans, deck girder type with concrete pile foundations across Pantano wash, 7 miles east of Tucson.

STOCKTON, San Joaquin Co., Cal.—F. E. Quail, County Engineer, is preparing plans for three modern concrete bridges to be erected in San Joaquin County. Construction is estimated between $75,000 and $100,000.

Two of the structures will be over the diverting canal, and the other will be located north of Lockford.

The improvements planned this year include the Copperopolis road and the lower Sacramento road bridges. The Copperopolis bridge will give a 20-foot driveway with no sidewalks along the sides. It will be between 250 and 260 feet long and will be constructed in 40-foot spans.

The Calaveras bridge on the lower Sacramento road will have a 20-foot driveway, and will have sidewalks on either side. This bridge will also be from 250 to 260 feet long.

The new bridge near Lockeford will be about 180 feet long and of the arch type.

SACRAMENTO, Cal.—The California Highway Commission has agreed with the County of Mendocino to construct three State highway bridges across Long Valley Creek and one State highway bridge across Outlet Creek, in Mendocino County, the County of Mendocino to reimburse the Commission to the amount of $20,000 to cover the cost thereof.

REDONDO BEACH, Los Angeles Co., Cal.—No bids were received by the Trustees for repairing the reinforced concrete municipal pier in accordance with the advertisement. Wm. Ledbetter of Los Angeles, offered to do the work at cost plus 10% in accordance with plans and specifications by Engineers Leeds & Barnard, Central Bldg., Los Angeles. C. L. Roberts, 1457 Ocean Front, Santa Monica, offered to repair the pier on modified plans asking a flat fee of $3000 for his services. Both propositions were referred to the engineers.

YUBA CITY, Sutter Co., Cal.—The Sutter County Supervisors have approved plans for a concrete bridge over Wadsworth Slough, submitted by the reclamation board. The bridge and several others to be built are on the same type as those erected on state highway routes.

FLORENCE, Ariz.—Until 2 P. M., June 28, bids will be received by State Engineer Thomas Maddock at the office of the Final County highway commission, Florence, Ariz., for constructing a reinforced concrete bridge crossing Queen creek on the Florence-Superior highway, federal aid project No. 23. The bridge will be 144 ft. long with 4 spans of 36 ft. each. Certified check for 5% required. Plans and specifications may be obtained from the State Engineer at Phoenix on payment of $5.

TUCSON, Ariz.—Until 2 P. M., July 3, bids will be received by State Engineer Thomas Maddock at the office of the Supervisors of Pima County, Tucson, for constructing a reinforced concrete bridge 60 ft. long across Mescal Wash on the Benson-Vail highway, federal aid project No. 18. Certified check for 5% required. Plans and specifications may be obtained from the State Engineer at Phoenix on payment of $5.

## IRRIGATION PROJECTS.

TERRA BELLA, Tulare Co., Cal.—Bids will be received by E. R. Clemons, Secretary of the Terra Bella Irrigation District, up to July 6th, 11 A. M., for furnishing and delivering 20,000 feet of 6-inch pipe and 22,000 feet of 8-inch pipe. Pipe may be either riveted steel or wood.
Specifications on file at office of Secretary at Terra Bella.

ROSEVILLE, Placer Co., Cal.—Stephen Kieffer, engineer for the North Fork Ditch Co., addressed the Farm Bureau representatives of this section and advised the formation of an irrigation district for the purpose of utilizing water from the company's ditch.
The formation of a second district, for the inclusion of lands that cannot be served from the ditch, also was recommended. The location of reservoir sites on the American River, Kieffer said, would provide water for this second unit.
A committee, of which J. A. Herring is the chairman, has been named to investigate the feasibility of using the North Fork Ditch water and to take preliminary steps toward the formation of the proposed irrigation district.

MARYSVILLE, Yuba Co., Cal.—The Directors of the Cordua Irrigation District have rejected bids submitted for the $192,000 block of bonds to finance

construction work in the district all being below par. Warren Steele, Marysville, is Secretary of the District.

## MACHINERY.

TULARE, Tulare Co., Cal.—Until 7 P. M., June 11, bids will be received by City Clerk F. M. Eldridge for furnishing and installing 1000 water meters in accordance with specifications on file in the office of the city engineer. Certified check for 10% required.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

SAN FRANCISCO—The Board of Public Works has passed resolutions of expediency providing for the improvement of Marston avenue between Edna and Balboa Park, estimated cost $5,200 and for the construction of sidewalks (where not already) in Russia avenue between Mission and Moscow, estimated cost $4,250.

The Board has accepted the offer of the Pacific Pipe Company to furnish and deliver for use on the Hetch Hetchy project 6000 feet of 8-inch riveted pipe No. 16 gauge at $65 per 100 feet, f. o. b. San Francisco.

The contract for the grading, sewering and paving of Porter street from Crescent avenue southerly has been let to C. B. Eaton at $8,568.80.

For the construction of a sewer in De Long street between Liebig and Orizaba avenue has been awarded by the Board to W. J. Tobin at $3,008.75.

The Supervisors have been requested to authorize the construction of the Laguna Honda Boulevard from the north line of Plaza to the east side of Woodside and Merced avenues, the estimated cost of which is $29,400.

THE DALLES, Ore.—At $27,605.35 the contract for the improvement of Bluff street was awarded by the City Council to the United Contracting Co., of Portland. The bid was $221.30 below the engineer's estimate.

STOCKTON, San Joaquin Co., Cal.—Up to June 22nd, 10:30 A. M., bids will be received by A. L. Banks, City Clerk, for improving North street, from California street, west to a line across North street, joining the northwest corner of Lot 1, Blk 92, East of Center St. with the southwest corner of Lot 6, Block 4, of Sperry's Addition, by grading, constructing concrete curbs, gutters and sidewalks and paving with a 2½-inch gravel base and an asphaltic wearing surface 4½ inches thick. Estimated cost $38,368.65. Work will be done under Improvement Act of 1911. Certified check for 10% payable to City required. W. B. Hogan is City Engineer.

WATSONVILLE, Santa Cruz Co., Cal.—An estimate is being made by the Southern Pacific of the cost of tearing up the uper layer of Walker street from the bridge to Third street and adding two or more inches of gravel and oil.

City Engineer Kitchen reports that petitions are being circulated for the improvement of Lincoln street between Lake avenue and Third street.

SANTA CRUZ, Santa Cruz Co., Cal.—City Clerk S. A. Evans has been instructed to call new bids for the construction of a 6-inch sewer in a portion of the Laurel street extension.

ALAMEDA, Alameda Co., Cal.—Up to June 15th, bids will be received by W. E. Varcoe, City Clerk, for improving Crist street, from Broadway to Regent by grading, paving with 6-inch oil macadam, concrete curbs, gutters, sidewalks and 2 corrugated culverts with concrete gutter bridges. Certified check for 10% payable to City required.

PLACERVILLE, El Dorado Co., Cal.—June 29th is the date set to vote bonds of $30,000 with which to purchase the distributing system of the Placerville Water Works. Should the issue carry the Trustees plan improvements costing $10,000.

TUCSON, Ariz.—Post, Martin & Peters, were awarded the contract for constructing 1.8 miles gravel surfaced road known as south branch of Tanque Verde road at 45c cu. yd. for excavating, $1 cu. yd. for removing loose rock, $2 cu. yd. for rock, $1.25 cu. yd. for gravel surfacing, $20 cu. yd. for Class A concrete and $18 for Class B concrete.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention No. 20291 for improving Holoway street, between 55th and 57th avenues, with concrete curbs, gutters and sidewalks; paving with oil macadam; constructing corrugated iron and concrete culverts; 8-inch vitrified sewer, lampholes, etc.

STOCKTON, San Joaquin Co., Cal.—Petitions are being circulated asking the Supervisors to straighten and improve the French Camp road.

SAN FRANCISCO—The Union Machine Company, at $170,000 submitted the only bid to the Board of Public Works for furnishing and delivering slide gates, 33 inches by 42 inches, for use on the Hetch Hetchy project under Contract No. 67. The company agrees to pay the foreman on the job $16 per day. Bids were opened for street and sewer improvements as follows:

**Sewer in Cowden Street Between Wilde and Ankney Streets and Crossings.**

| | |
|---|---|
| T. Gallagher | $3,177.90 |
| D. O. Church | 3,787.90 |
| State Improvement Co. | 3,987.20 |

**Improvement North one-Half of Sloat Boulevard Between Fortieth Ave. and Great Highway.**

| | |
|---|---|
| Fay Improvement Co. | $23,377.40 |
| Frank McHugh | 25,458.60 |
| Raisch Improvement Co. | 26,235.30 |
| State Improvement Co. | 25,235.46 |
| C. E. Eaton | 24,417.64 |

**Sewer in Brussels Street Between Dwight and Olmstead.**

| | |
|---|---|
| D. O. Church | $3,488.40 |
| State Improvement Co. | 3,847.00 |

**Sewer in Harkness St. Bet. Cowden and Point 400 Feet Westerly.**

| | |
|---|---|
| T. Gallagher | $1,618.00 |
| D. O. Church | 1,902.50 |
| State Improvement Co. | 2,591.90 |

**Sewer in Mt. Vernon Ave. Bet. Howth and Louisburg Streets.**

| | |
|---|---|
| Raisch Improvement Co. | $1,268.25 |
| State Improvement Co. | 893.25 |

No bids were received for the improvement of Moscow street between Russia and Persia avenues, involving 150 lineal feet of concrete curbs and 3,000 square feet of asphalt pavement.

FAIRFIELD, Solano Co., Cal.—The County Supervisors have voted to purchase $200,000 worth of State Highway bonds to secure the construction of the lateral connecting from Rio Vista to Fairfield.

STOCKTON, San Joaquin Co., Cal.—Up to June 22nd, 10:30 A. M., bids will be received by A. L. Banks, City Clerk, for the construction of a system of lateral sewers with Y branches, house connections and manholes, etc., in South street, from west line of Center to the west line of Lincoln street. Certified check for 10% payable to City required. W. B. Hogan is City Engineer.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to A. H. Kopperud to improve Paxton avenue from 35th avenue, westerly by grading, constructing concrete curbs and gutters and paving with oil macadam.

Bates & Borland were awarded the contract for similar improvements in Star avenue from Marion avenue to Suter street.

FRESNO, Fresno Co., Cal.—Bids for the construction of 1300 feet of sewer to connect the city park with the North Fresno addition sewer system have been ordered called for by the Park Commissioners. Chas. Dillon is City Clerk.

SEATTLE, Wash.—Jahn & Bressi, New York Block, Seattle, at $239,561.30 were awarded the contract for paving Tenth avenue in Local Improvement Districts No. 3284 and 3285.

LODI, San Joaquin Co., Cal.—The City Trustees, H. S. Clark, City Clerk, have passed resolution of intention No. 28 for the improvement of Elm street, from Hutchins street to its west terminal by grading, constructing concrete curbs and gutters, 2½-inch concrete base and 1½-inch Warrenite wearing surface. Work will be done under the Improvement Act of 1911 and Bond Act of 1915.

SAN FRANCISCO—City Engineer M. M. O'Shaughnessy has completed plans for the improvement of the west one-half of the Great Highway between Balboa and Cabrillo streets. The estimated cost of construction is placed at $12,000, the work to be financed from the County Road Funds.

The Board of Public Works has approved specifications and passed resolutions of expediency for the improvement of the following streets:

Sewer, Revere avenue between Silver and Rankin, estimated cost, $2,200.

Banks street between Cortland and Eugenia, estimated cost, $5,000.

Sewer, Griffith street between Ingerson and Fitzgerald, estimated cost, $3,310.

Sidewalks Pacific avenue west of Polk street, estimated cost, $90.

Sidewalks in 18th avenue between Cabrillo and Balboa streets, estimated cost, $270.

STOCKTON, San Joaquin Co., Cal.—W. J. Tobin of Oakland has been awarded a contract by the City Council, A. L. Banks, City Clerk, for the construction of a sanitary sewer in Sonora street between Lincoln and Harrison at $1,113.60. The estimate of City Engineer W. B. Hogan was $1,152.

YUBA CITY, Sutter Co., Cal.—D. C. Howard, Capitol National Bank Bldg., Sacramento, submitted the only bid to the County Supervisors for the county highway unit, Live Oak-Pennington Road between Live Oak and Sheep Camp, 5½ miles in length, at $43,990 and he was awarded the contract. The road will be paved with an asphalt macadam 15 ft. wide and 4 inches thick, involving 2,700 cu. yds. of embankment ($1.50 per cu. yd.), 7,300 tons crushed rock base course ($2.50 per ton), 48,200 sq. yds. wearing surface ($.45 per sq. yd.). The engineer's estimate was $8,000 per mile.

The contract for furnishing the 7,300 tons of rock for the above unit was awarded to the Coast Rock and Gravel, Co., Call Bldg., San Francisco, at $1.60 per ton or $11,680.

SONOMA, Sonoma Co., Cal.—The $67,000 bond election for street paving and sewer extension improvements carried and plans for the work are being rushed to completion by Engineers Howe and Peters, 24 California street, San Francisco.

SUSANVILLE, Lassen Co., Cal.—The $60,000 bond issue held in the Lassen Boulevard District carried. Proceeds of the sale of the bonds will finance construction of the proposed road connecting with the State Highway lateral at Susanville and extending to the Nevada State line at a point east of Constantia, Washoe County, Nev.

A State appropriation of $60,000 was secured by Assemblyman Mathews on the promise that Lassen County would raise a like sum.

LONG BEACH, Los Angeles Co., Cal.—John Cummings, 1200 Washington Bldg., Los Angeles, was awarded the contract at $44,649.50 for constructing vitrified pipe sewers in Hill street and 18 other streets, including cast iron pipe sewer in private right-of-way and Atlantic street, brick manholes and flushtanks, reinforced concrete flush tank, concrete pumping station, electric motors, centrifugal pumps, etc. A. de Ruiz, City Engineer.

STOCKTON, San Joaquin Co., Cal.—Up to June 11th, 10:30 A. M. bids will be received by A. L. Banks, City Clerk, for constructing a sanitary sewer with manhole in California St. from a point 40 feet south of Alpine St. north to 530 feet. W. B. Hogan is City Engineer.

Certified check 10% payable to City Clerk required.

HOLBROOK, Ariz.—An election will be held to vote on issuing $100,000 bonds for a municipal water system. There is no existing plant, all water being obtained from individual wells. A city water supply will be developed from wells. There will be a distributing system and pumping plant. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, are the engineers.

NEVADA CITY, Nevada Co., Cal.—Plans are being formulated by the City Trustees for repairing the streets leading from the business section to the paved State Highway to Grass Valley.

The Trustees figure on scarifying the streets, treating them to mixed oil and fine rock, grading and rolling them.

OAKLAND, Cal.—The City Council has referred a petition asking the improvement of Ellen street from 45th to 47th avenues, to the Street Department for report. L. W. Cummings is City Clerk.

POMONA, Los Angeles Co., Cal.—Extensions of the city sewer system are contemplated if negotiations for the sale of the city sewage farm now under way are consummated. Only about one-third of the city has sewers and as soon as extensions are made the work will be done under the Vrooman act, sewer districts being formed. C. E. Bayley is City Manager.

HOLBROOK, Ariz.—An election will be held to vote on isuing $35,000 bonds for a city sewer system. The main lines will be 10 to 17 in., and the laterals 6 to 8 in. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, are the engineers.

BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has awarded a contract to T. E. Clinch for the construction of a six-inch sewer in San Pablo avenue, from Harrison street for a distance 410 feet northerly and in Tenth street, from Harrison street for a distance 350 feet northerly.

SACRAMENTO, Cal.—T. M. Burns has been awarded a contract by the City Council for improving K street, from 2nd to 10th streets with concrete curbs and gutters.

VISALIA, Tulare Co., Cal.—As previously reported, the contract for the improvement of streets in this city was awarded to the Federal Construction Co., of San Francisco, at $224,955.19. Other bidders were:

J. S. Caldwell, Visalia, $256,963.44.

Clark & Henery Constr. Co., Stockton, $263,968.87.

Hugh Crummey, San Francisco, $292,594.48.

PLACERVILLE, El Dorado Co., Cal.—The El Dorado Water Company of Placerville has applied to the State Railroad Commission for authority to issue $20,240 of bonds to reimbuse its treasury and to secure funds to finance plant improvements.

Among the improvements contemplated are raising the Blekley Reservoir, purchase of another reservoir site and the relocating of two miles of its main canal.

NAPA, Napa Co., Cal.—The City Council, H. H. Thompson, City Clerk has passed resolution of Intention No. 484 to improve the west side of Soscol Ave., from the south city limits to the south right-of-way of the S. P. Co., and Jefferson St., from the south city limits to the south line of Pine St., by grading and paving with 5-inches of concrete, 24 and 25 feet in width.

The work will be done under the Improvement Act of 1911.

**STREET WORK PLANNED**

SOUTH PASADENA, Los Angeles, Co., Cal.—Resolutions of intention have been adopted by the city council for improving Spruce street from Fair Oaks to Fremont Avenue; Diamond Avenue from Mission street to Monterey road, and Oak street from Diamond Avenue ot Fair Oaks Avenue.

LOS ANGELES, Cal.—Until 10 a. m. June 14, bids will be received by the board of public works for improving Bonnie Brae St., between Sixth and Orange Sts., by grading and paving with Warrenite-bithulithic and constructing cement curbs and gutters; work to be done under Imp. Act of 1911.

SAN DIEGO, San Diego, Co., Cal.—John Engebretsen, McNeece Bldg., San Diego, was awarded the contract at $76,347 for paving Tide street with 5-in. concrete base and asphaltum wearing surface.

EUREKA, Humboldt Co., Cal.—The contract for grading and surfacing approximately two miles of the Arcata road between Eureka and Freshwater has been let by the Supervisors to the Englehart Paving & Construction Co., of Eureka, at 4½ cents per sq. ft. for grading and surfacing; 54 cents for gravel filling required and $1.10 a yard for any necessary excavation. This was the only bid received.

BAKERSFIELD, Kern Co., Cal.—Up to June 21st, 5 P. M. bids will be received by V. Van Riper, City Clerk, for the construction of a six-inch vitrified, salt-glazed sewer pipe in the alley first south of Fourteenth from a point 139.25 feet west of O street, thence west 95 feet; also a six-inch sewer in the alley first south of Fourteenth street from a point 53.75 west of O street, thence east 288 feet; also a six-inch sewer in the alley first south of Thirteenth street from a point 28.75 feet east of O street, thence west 263 feet; also a six-inch sewer in the alley first south of Thirteenth street, from a point 63.75 feet west of O street, thence east for a distance of 634 feet including the construction of lampholes and Y's for house connections. The work will be done under the Improvement Act of 1911.

Bids will be received on June 14th by City Clerk Van Riper for the improvement of Fremont St., from Sonora to Miller by grading, tamping and surfacing with an oil and crushed rock screening wearing surface. Work will be done under the Improvement Act of 1911.

TUCSON, Ariz.—The West Coast Construction Co., of Tucson, was awarded the contract for constructing 1425 ft. of 8-in. vitrified pipe sewer with manholes and flush tanks in 16th and other streets at $3.08 lin. ft. for sewer, $18.60 lin ft. for manholes, and $25.50 lin. ft. for flushtanks.

SAN DIEGO, San Diego Co., Cal.—Resolutions of intention for street work under Vrooman Act have been adopted by city council as follows:

Bancroft and Grape Sts., to be graded and paved with bithulithic, cement curb and sidewalk, planting trees and laying water pipes.

Sunset Blvd. and Ft. Stockton Drive, to be paved with concrete base with

oil and rock screenings surface; cement curbs, laying water mains and sewers.

EAGLE ROCK CITY, Los Angeles Co., Cal.—Until 8 p. m. June 7, bids will be received by City Clerk Benj. B. Martsolf for grading and constructing cement curb and gutters on Mariposa Ave., between its east terminus and Central Avenue.

Certified check for 10 per cent required.

PHOENIX, Ariz.—At a mass meeting of representatives of civic bodies it was decided to ask the supervisors of Maricopa County to submit another bond issue of $4,500,000 for the county highway system. This amount would provide for the entire 278 miles of road to be paved with 6-in. concrete and eliminate narrow roadways. The original bond issue of $4,000,000 according to the commission will pave all roads with 4-in. concrete, 9, 16 and 18 ft. wide. A heavier pavement is now demanded by traffic conditions.

SACRAMENTO, Cal.—The City Commissioners have awarded a contract to the McGillivray Construction Co., of Sacramento, for the improvement of Santa Barbara Court from J to L streets, by grading; constructing concrete curbs; gutters and sidewalks; 4 cast iron gutter drains with 6-inch elbows attached, connecting with 6-in. ironstone sewer pipe, 1 concrete manhole and paving with 5½ inch asphalt concrete.

The same firm also received the contract to improve the alley between L and M streets; 5th and 6th streets, by grading; constructing concrete catchbasin with cast iron curb and cover; connecting same to manhole with 6-in. ironstone sewer pipe and paving with 5½ inch asphaltic concrete.

M. J. Desmond is City Clerk.

YUBA CITY, Sutter Co., Cal.—Up to June 12th, 10 A. M. bids will be received by Albert B. Brown, County Clerk, for Yuba City-Nicolaus unit of the county highway system between Oswald and O'Banion Corners Road, Sutter County Highway System, about three miles in length, to be paved 15 feet wide with Portland Cement Concrete or Asphaltic Concrete.

Work involves: 7,000 cu. yds. Excavation, without classification; 3,350 cu. yds. "Class A" Concrete Pavement (Alternative "A"); 15 cu. yds. "Class A" Concrete (Culverts); 200 lin. ft. 12-inch Corrugated Metal Pipe; 26 lin. ft. 18-inch Corrugated Metal Pipe; 30 lin. ft. 36-inch Corrugated Metal Pipe; 26,800 sq. yd. Asphaltic Concrete and Warrenite Wearing Surface (Alternative "B").

The County will furnish, Concrete Aggregate, Portland Cement, Reinforcing Steel and Corrugated Metal Pipe; on the same date bids will be considered for furnishing the following materials in connection with the above work; 5,000 tons Crushed Rock; 2,500 tons Sand; 5,700 barrels Portland Cement; 44,000 pounds Reinforcing Steel.

Bids are also wanted for the Nicolaus-Feather River unit, about two and one-half miles in length, to be paved with Asphaltic Macadam 15 feet wide and 4 inches thick.

Work involves: 3,500 cu. yds. Excavation without classification; 20 cu. yds. "Class A" Portland Cement Concrete (Culverts); 260 lin. ft. 12-inch Corrugated Metal Pipe; 22 lin. ft. 24-inch Corrugated Metal Pipe; 24 lin. ft. 36-inch Corrugated Metal Pipe; 3200 tons Crushed Rock Base Course; 21,400 sq. yds. Asphaltic Wearing Surface.

The County will furnish Concrete Aggregate, Portland Cement, Reinforcing Steel, Corrugated Metal Pipe and Crushed Rock for Base Course.

Separate bids are wanted for furnishing 3,200 tons of crushed rock to be used in the above stretch.

## RAILROADS.

UKIAH, Mendocino Co., Cal.—Preliminary steps for the construction of a railroad into Anderson Valley were taken last week when eight deeds for railroad rights-of-way were filed in the office of Hale Prather, County Clerk.

The deeds for the right-of-way date back to March and April, 1918, and each contain a clause that "actual work to commence on said railroad within seven years."

All are filed in the name of "The Valley Company."

The original plan, according to reports, was for a railroad from Healdsburg through Anderson valley to Wendling, whire it would connect with the branch line of the Northwestern Pacific operating between Wendling and Albion.

Chas. M. Mannon of Ukiah is Attorney for the company.

### STATE HIGHWAY BRIDGE AT OROVILLE PLANNED.

OROVILLE, Butte Co., Cal.—Bids for the construction of an all steel bridge across the Feather River at Oroville, completing the Oroville-Richvale lateral of the state highway to cost approximately $400,000 will soon be called for by the state highway commission, according to reports current here.

The structure will consist of four spans, set on four concrete piers. The county will pay half the cost, and the other half will be furnished by the government under the federal aid plan.

# Official Proposals.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS, indorsed "Proposals, for Concrete Paving and Asphalt Paving, Mare Island, California, Specification No. 4209," will be received at the Navy Yard, Mare Island, California **until 11 o'clock A. M., June 16, 1920,** and then and there publicly opened, for concrete paving on Railroad Avenue, from Eighth Street to Building 229, on Seventh Street from Railroad Avenue to California Avenue, from the intersection of Seventh Street and California Avenue to Building 215, and Between Building 215 and Building 71, in all approximately 4500 square yards. Also for laying a 1½ inch asphalt wearing surface on the causeway connecting Mare Island with the City of Vallejo. This work will include the necessary grading, the removing of old paving, the changing of railroad track construction where tracks cross the proposed paving and the installing of curbs where called for. Drawing and specification No. 4209 may be obtained upon application to the Commandant of the Navy Yard at Mare Island, Calif. Deposit of a check or postal money order for $10 payable to the Chief of the Bureau of Yards and Docks is required as security for the safe return of the drawing and specifications within five days after the award of contract. C. W. PARKS, Chief of the Bureau of Yards and Docks.

May 29, 1920.

### BIDS WANTED FOR BRICK AND TERRA COTTA WORK.

NOTICE TO CONTRACTORS.

Pursuant to an order of the Board of Education of the City of Fresno School District, Fresno, California, duly made and entered in its minutes on the 28th day of May, 1920, notice is hereby given that said board will receive **up to 12 o'clock A. M. of June 14th, 1920,** sealed proposals for the following construction, to-wit:

Specification "B" Brick and Terra Cotta.

For the Edison School Building.

Plans and specifications on file with the secretary of said board. Copies of same, together with form for submitting bid and instructions to bidders may be obtained at the office of Trewhitt-Shields Company, 435 Rowell Bldg., Fresno, the authorized agent of the said board.

A certified check equal to 10 per cent of total amount of bid submitted must accompany the proposal.

The board reserves the right to reject any or all bids.

By order of the Board of Education.
J. R. FONTAINE, Secretary.

### BIDS WANTED FOR ROAD WORK.

NOTICE TO CONTRACTORS.

SEALED PROPOSALS for constructing approximately 1⅞ miles of concrete road thru Fort Rosecrans and Naval Reservation will be received and publicly opened at **11 A. M., June 21, 1920,** at office of Constructing Quartermaster, Fort Rosecrans. Information at above address.
(34985) Eng

### BIDS WANTED FOR DISMANTLING AND ERECTING STEEL HANGARS.

NOTICE TO CONTRACTORS.

SEALED PROPOSALS for dismantling 5 steel hangars at Roam Field and transporting to and erecting same at Rockwell Field, San Diego, will be received and publicly opened at **11 A. M., June 21, 1920,** at office of Constructing Quartermaster, Fort Rosecrans, San Diego. Information at above address.

NOTICE TO CONTRACTORS.

**SPECIFICATION NO. 4209 COVERING CONCRETE PAVING AND ASPHALT PAVING, NAVY YARD, MARE ISLAND, CAL.**

Attention is invited to the fact that proposals will be opened on the work mentioned above June 16, 1920.

Specifications may be obtained on application to the Commandant, Navy Yard, Mare Island, California, by placing a deposit of $10.00 as security for the safe return of same within five days after award of contract.

The work consists of approximately 4500 square yards of 5" concrete paving, together with certain curbs and railroad crossings, and approximately 6100 square yards of asphaltic wearing surface on the causeway connecting the Navy Yard with the City of Vallejo.

THOS. J. SHACK,
Lieutenant, C. E. C., U. S. Navy,
By direction of Public Works Officer.

### BIDS WANTED FOR CONCRETE APPROACH.

June 2, 1920.

NOTICE TO CONTRACTORS

Office Constructing Quartermaster, Fort Mason, Calif., June 1, 1920. Sealed proposals in triplicate for constructing a Concrete Approach at Fort Baker Wharf, Fort Baker, Calif., will be received at this office until **11 A. M., June 16, 1920,** and then opened. Plans Specifications and information upon application.

IRA L. FRENDENALL,
Lieutenant Colonel, Q. M. Corps.

### BIDS WANTED FOR CONSTRUCTION OF OFFICERS' QUARTERS, SAN FRANCISCO.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 17, 1920—SEALED PROPOSALS will be opened in this office at **3 P. M., June 28, 1920,** for furnishing the labor required in the construction complete (including heating, plumbing, electric conduits, and wiring), with materials that will be furnished by the Government, of officers' quarters, for the United States Marine Hospital at San Francisco, Calif. Drawings and specifications may be obtained from the Supervising Superintendent of Construction, room 403, Post Office and Court House, San Francisco, Calif., or at this office, in the discretiontion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### BIDS WANTED FOR FURNISHING MATERIALS FOR CONSTRUCTION OF OFFICERS' QUARTERS, SAN FRANCISCO.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 17, 1920—SEALED PROPOSALS will be opened in this office at **3 P. M., June 28, 1920,** for furnishing materials for the construction of officers' quarters, for the United States Marine Hospital, San Francisco, California, including materials for concrete, sheet metal work, ceramic tile, lumber, mill work, painting, hardware, plumbing, heating, electric work, etc., in accordance with drawings, specifications and bills of quantities attached thereto, copies of which may be obtained from the Supervising Superintendent of Construction, room 403 Post Office and Court House, San Francisco, Calif., or at this office, in the discretion of the Supervising Architect.

Jas. A. Wetmore, Acting Supervising Architect.

### BIDS WANTED FOR GOVERNMENT GARAGE

NOTICE TO CONTRACTORS.

**Drawing and Specification No. 4191, covering Laundry Equipment, Naval Base, Marine Barracks, San Diego, Calif.**

Attention is invited to the fact that proposals will be opened in the near future on the work mentioned above.

The drawing and specification may be obtained on application to the Bureau in Washington, D. C., to the Commandant, Twelfth Naval District, 417 Sheldon Building, San Francisco, Cal., or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The laundry equipment will consist of motor-driven washers, extractors, and tumblers, dry room, electrically operated irons and shapers, and other accessories pertaining to a modern and efficient laundry. The Government will furnish some of this equipment, which will be installed by the contractor. Connections are to be made to electric, steam, return, waste, and water services at various points.

The estimated cost is $17,000.

R. L. MARTIN
Lieutenant Commander (CEC), U. S. N.,
By direction of Public Works Officer.
UNITED STATES NAVY YARD, Mare Island, California.

NOTICE TO CONTRACTORS.

**Drawing and Specification No. 4192, covering Bakery Equipment, Naval Base, Marine Barracks, San Diego, Calif.**

Attention is invited to the fact that proposals will be opened in the near future on the work mentioned above.

The drawing and specification may be obtained on application to the Bureau in Washington, D. C., to the Commandant, Twelfth Naval District, 417 Sheldon Building, San Francisco, Calif., or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The bakery equipment will consist of electric ovens, motor driven dough and cake mixers, dough moulder, proofer, divider, rounder, and other accessories necessary to equip a modern and efficient bakery. Connections are to be made to electric, steam, return, waste, and water services at various points.

The estimated cost is $17,000.

R. L. MARTIN,
Lieutenant Commander (CEC), U. S. N.
By direction of Public Works Officer.
UNITED STATES NAVY YARD, Mare Island, California.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, San Francisco, Calif., May 10, 1920. Sealed proposals in triplicate for constructing approximately Forty-Two (42) buildings (including plumbing, heating and lighting) consisting of Quarters, Barracks, Hangars, Shops, etc., also Concrete Ramps, etc., at Crissy Field, Presidio of San Francisco, Calif., will be received here **until 2 P. M., June 14, 1920,** and then opened. Plans, specifications, etc., can be seen at this office about May 10, 1920. Further information on application. A deposit of $20.00 will be required to insure return of plans, etc.

IRA L. FREDENDALL,
Lieutenant Colonel, Q. M. Corps.

### BIDS WANTED FOR AIR PIPING SYSTEM.

NOTICE TO CONTRACTORS.

SEALED PROPOSALS, indorsed "Proposals for Air System, Kuahua, T. H., Specification No. 4185," will be received at the Bureau of Yards and Docks, Navy Department, Washington, D. C., **until 2 o'clock P. M., June 16, 1920,** and at the Public Works Office, Navy Yard, Mare Island, Calif., **until 11 o'clock A. M. of the same day,** and then and there publicly opened, for furnishing and installing a high-pressure air piping system at the Naval Ammunition Depot, (Kuahua), Pearl Harbor, T. H. Drawings and Specification No. 4185 may be obtained on application to the Bureau, or to the Commandant, Navy Yard, Mare Island, Calif. Deposit of a check or postal money order for $10 payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. C. W. PARKS, Chief of Bureau. May 22, 1920.

### WHAT THRIFT DID.

SAN FRANCISCO—Pupils in less than 300 California grammar schools have saved nearly $85,000 in the last 193 school days, according to Philip J. Lawler of the school savings department of the Bank of Italy. The exact figure was $84,380.99. The number of individual purchasers was 199,641, of which 64,826 were for thrift stamps and 134,815 for penny stamps. This is an average of 1000 purchasers per day.

Lawler's report shows the sales of thrift and war savings stamps amounted to $46,873.17 while the total sales of school penny stamps were $37,507.82. The school penny stamps are exchanged for thrift stamps and war savings stamps.

### URGE BUILDING MATERIALS PREFERENCE.

WASHINGTON, D. C.—Preferential movement for building materials by the railroads was urged on the interstate commerce commission by Senator Calder in a letter to Commissioner Aitchison.

"The need for construction and housing has been accumulating for several years," wrote Calder.

### CONCESSIONS OFFERED BUILDERS OF HOMES.

RIO DE JANEIRO—The municipal authorities have offered unusually favorable concessions to builders in an effort to overcome the shortage of dwellings which is called the most serious the city ever has faced. One construction company has offered to build thousands of wooden houses of a type heretofore unknown here.

### CHEAP CONSTRUCTION TO RELEIVE PORTLAND HOUSING PROBLEM.

PORTLAND, Ore.—As the result of the agreement by the city commissioners on proposed changes to the building code permitting the erection of cheap houses, a large number of low priced houses are expected to be started in the near future. It is also expected that the change will create a demand for unimproved property in the outlying districts as building sites.

### MATHEWS' CONTRACT WITH SACRAMENTO SCHOOL BOARD APPROVED.

SACRAMENTO, Cal.—The City Board of Education has approved the contract with Edgar A. Mathews as architect for the new high school. The contract was approved by the District Attorney and members of the board individually. It provides that Mathews shall do all architectural services, act as general contractor and supervisor for the board and to receive 4½ per cent of the construction cost.

### GALT IS PAVING TWO MORE THOROUGHFARES.

GALT, Sacramento Co., Cal.—The work of paving more streets is under way here.

The county is laying pavement on C street from the Lincoln Highway to Fourth street. The block between Fourth and Fifth streets in the business district is being paved by the property owners.

### PLUMBERS WANT $12 DAY

CLEVELAND, Ohio, June 1.—Between 500 and 600 plumbers struck today, following refusal of employers to grant demands for $12 for an eight-hour day and furnish all tools. The old contract, which expired to-day, called for $1 an hour. Under this agreement the workers furnished most of the small tools.

### MODESTO REALTY MEN SEEK BUILDING REGULATIONS

MODESTO, Cal.—At a meeting of the Modesto Realty board it was decided to request the city council to pass legislation providing for better building regulations. The plan as outlined would divide houses into classes and permits would be issued for certain class houses, according to the type and quality of construction. The object is to protect buyers and guarantee the quality of their purchase.

The matter of an extension of the zoning idea to assure more uniform construction of business buildings outside of the present fire limits was also discussed.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### San Francisco County

| | | | |
|---|---|---|---|
| 1489 | Zipp | Owner | 850 |
| 1490 | Straup | Olsen | 850 |
| 1491 | Zucker | Moore | 500 |
| 1492 | Bertheau | Moore | 800 |
| 1493 | Tobin | Tobin | 500 |
| 1494 | Nat'l Carbon | Fennell | 1800 |
| 1495 | Shumate | Merchant | 500 |
| 1496 | De Martini | Owner | 3000 |
| 1497 | Balfour | Westen | 6392 |
| 1498 | McKenny | Wilson | 7150 |
| 1499 | Looney | Hansbrough | 900 |
| 1500 | Magini | Britt | 900 |
| 1501 | Woebcke | Munster | 900 |
| 1502 | Art Rattan | Owner | 625 |
| 1503 | See To | Mulcahy | 33497 |
| 1504 | Beardsley | Duncan | 45721 |
| 1505 | Johnson | Owner | 13000 |
| 1506 | Scott | Smith | 500 |
| 1507 | Nelson | Owner | 39000 |
| 1508 | Keys | Stiefel | 3000 |
| 1509 | Meyer | Stronack | 1500 |
| 1510 | Murray | Rednall | 500 |
| 1511 | Marsciano | Martinelli | 6950 |
| 1512 | First Nat'l. | Amer Mbl | 75374 |
| 1513 | Mosias | Steinauer | 2900 |
| 1514 | Appleton | Sommer | 19200 |
| 1515 | English | Grace | 2000 |
| 1516 | Chubbuck | Wagner | 500 |
| 1517 | Benninger | Owner | 500 |
| 1518 | Steinman | Steinauer | 900 |
| 1519 | Perego | Kincanon | 20000 |
| 1520 | McKillop | Owner | 75000 |
| 1521 | Patigan | Dutton | 500 |
| 1522 | Cal School | Parker | 30000 |
| 1523 | Pierron | De Martini | 17500 |
| 1524 | Gunzburger | Olson | 11500 |
| 1525 | Maguire | Matthies | 1110 |
| 1526 | Black | Matthies | 1028 |
| 1527 | Moore | Wagner | 250000 |
| 1528 | Wood | Thorup | 5000 |
| 1529 | Thorup | Owner | 5000 |
| 1530 | Strothoff | Swanson | 1900 |
| 1531 | Tiscornia | Owner | 4000 |
| 1532 | Baker | Purdy | 1000 |
| 1534 | Appleton | Sommer | 19198 |
| 1535 | Cal. School | Parker | 46760 |

#### PERMITS

ALTERATIONS
(1489) NW BRYANT AND NINE-teenth. General alterations and minir additions to residence.
Owner—J. V. Zipp, 942 Vermont St., San Francisco.
Architect—None.
Day's work. COST, $850

ALTERATIONS
(1490) NO. 691 CHENERY ST. Raise and make alterations for store.
Owner—August Straup, Premises.
Architect—None.
Contractor—Olaf Olsen, 2771 San Jose Ave., San Francisco.
COST, $850

ALTERATIONS
(1491)NO. 1640 FULTON ST. Reconstruct steps and cement private garage floor.
Owner—G. Zucker, 115 Julian Ave., San Francisco.
Architect—None.
Contractor—J. K. Moore, 218 19th Ave., San Francisco.
COST, $500

ALTERATIONS
(1492) NO. 2416 GOUGH ST. Alter for basement garage; cement flooring, etc.
Owner—M. A. Bertheau, Premises.
Architect—None.
Contractor—J. K. Moore, 218 19th Ave., San Francisco.
COST, $800

GARAGE
(1493) NO. 2208 LARKIN ST. One-story frame private garage.
Owner—Margaret Tobin, 1282 Green St., San Francisco.
Architect—None.
Day's work. Cost, $500

CALCINING PLANT
(1494) W KATE 275 N Brannan. Underpin three-story concrete calcining plant.
Owner—National Carbon Co., 8th and Brannan Sts., San Francisco.
Engineer—Maurice Couchot, 110 Sutter St., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.
COST, $1800

GARAGE
(1495) SE BUSH AND DIVISADERO Erect private garage; concrete foundation and floor, etc.
Owner—Dr. Thos. E. Shumate, 1901 Scott St., San Francisco.
Architect—None.
Contractor—C. T. Merchant, 180 Jessie St., San Francisco.
COST, $500

FRAME DWELLING
(1496) E CHURCH 150 S 30th. Two-story and basement frame dwelling.
Owner—Frank De Martini, 274 29th St., San Francisco.
Architect—None.
Day's work. COST, $3000

#### RECORDED

STORAGE TANKS
(1497) COMG. 306-2 S ISLAIS and 640 E Third S 100xE 50. All work for three vegetable oil storage tanks.
Owner—Balfour Guthrie & Co., 350 California St., San Francisco.
Engineer—C. A. Watts, 24 California St., San Francisco.
Contractor—Western Pipe & Steel Co., 444 Market St., San Francisco.
Filed June 1, '20. Dated May 22, '20.
5 days after all material for tanks on ground, 50% of contract.....
5 days after completion..... 25%
Usual 35 days..... 25%
TOTAL COST, $6392
Bond, $6392. Sureties, National Surety Co. Limit, forfeit, none. Plans and specifications filed.

DWELLING AND GARAGE
(1498) LOT 10 BLK 3134 Westwood Park. All work for one-story and basement frame dwelling and garage
Owner—M. E. McKenny.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor—Oscar Wilson and Andrew Benson, 1783 Waller St., San Francisco.
Filed June 1, '20. Dated May 7, '20.
Frame up and enclosed.....$1787.50
Brown coated ..... 1787.50
Completed and accepted..... 1787.50
Usual 35 days..... 1787.50
TOTAL COST, $7150
Bond, $3575. Sureties, Chas. Monson and Edwin T. Peterson. Limit, forfeit, none. Plans and specifications filed.

#### PERMITS

ROOF
(1499) NO. 857 ASHBURY ST. New tar and gravel roof.
Owner—Catherine Looney, Premises.
Architect—None.
Contractor—G. Hansbrough, 380 Bush St., San Francisco.
COST, $900

ALTERATIONS
(1500) NO. 119 JACKSON ST. Alterations for storage room; concrete floor.
Owner—A. Magini, Premises.
Architect—None.
Contractor—O. W. Britt, 1115 Scott St., San Francisco.
COST, $900

ALTERATIONS
(1501) NE LARKIN AND O'FARRELL Alter for stores.
Owner—John Woebcke, 2688 Bush St., San Francisco.
Architect—None.
Contractor—Munster & Bornholdt, 1530 Broderick St., San Francisco.
COST, $900

GALLERY
(1502) NO. 475 SUTTER. Erect gallery in store.
Owner—Art Rattan Works, Premises.
Architect—E. A. Garin, 1849 Page St., San Francisco.
Day's work. COST, $625

#### RECORDED

ALTERATIONS
(1503) W GRANT AVE 68-9 S Clay S 22-9xW 110. All work for alterations and additions to three-story and basement brick building, No. 747 Grant avenue.
Owner—See To Tuck Yow and Sam Hee (also known as Hee Sam), 667 Jackson St., San Francisco.
Architect—J. Eugene Freeman, Kohl Bldg., San Francisco.
Contractor—Thomas F. Mulcahy, 180 Jessie St., San Francisco.
Filed June 2, '20. Dated June 2, '20.
Brick walls ready for ceiling joists, old lath and plaster removed .....$2.000.00
Asphalt roof on and partitions set on 2nd, 3rd and 4th floors 2500.00
Brown coated on 2nd, 3rd and 4th floors and roughing in of electric and plumbing..... 7000.00
Standing finish on 2nd and 3rd stories and iron work or fire escapes done ..... 3000.00
Marble work and tile floors done on 4th floor and 90% of galvanized iron done..... 5000.00
Completed and accepted..... 3609.25
Usual 35 days..... 8369.75
TOTAL COST, $33,479.00
Bond, $16,740. Surety, American Indemnity Co. Limit, 110 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported April 24, 1920, No. 1070.

APARTMENTS
(1504) N BUSH 112-6 W Jones W 25x N 100. All work except elevator for four-story and basement Class "C" apartment house.
Owner—E. W. Beardsley, 835 Hyde St., San Francisco.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.
Filed June 2, '20. Dated May 25, '20.
Concrete frame completed..$11,430.25
Interior brown coated..... 11,430.25
Completed and accepted.... 11,430.25
Usual 35 days..... 11,430.25
TOTAL COST, $45,721.00
Bond, $22,860.50. Sureties, E. B. Hussey and R. Zelinsky. Limit, 90 days after May 31st. Forfeit, $20. Plans and specifications filed.

#### PERMITS.

FRAME FLATS
(1505) NE CLEMENT AND TWENTY-second Ave. Two-story and basement frame (4) flats.
Owner—Chas. A. Johnson, 47-A Landers St., San Francisco.
Architect—None.
Day's work. COST, $13,000

ALTERATIONS
(1506) NO. 378 EIGHTH AVE. Remove present and install new windows and plaster front.
Owner—Mrs. Emma J. Scott, Premises.
Architect—None.
Contractor—William Smith, 11 Pearl St., San Francisco.
COST, $500

FRAME FLATS
(1507) E FUNSTON AVE 125 and 162 N Anza. Two two-story and basement frame (4 in each) flats.
Owner—Emil Nelson, 41 Delmar St., San Francisco.
Architect—None.
Day's work. COST, $19,500 each

ADDITION
(1508) NO. 1331 GREENWICH. Addition of one-story (frame) to dwelling, roofing, etc.
Owner—Dr. Elizabeth Keys, Premises.
Architect—None.
Contractor—John V. Stiefel, 184 23rd Ave., San Francisco.
COST, $3000

ALTERATIONS
(1509) NO. 32 PRESIDIO TERRACE. Remove plaster partitions, build mantel, install doors, etc., for residence.
Owner—G. Meyer, Premises.
Architect—None.
Contractor—Geo. Stronack, 11 Bredeman St., San Francisco.
COST, $1500

ALTERATIONS
(1510) NO. 2700 SCOTT. Remove partition; construct closet; change sliding door panels; painting, etc., for dwelling.
Owner—Mrs. Hamilton Murray, Prem.
Architect—None.
Contracto—W. W. Rednall, 2500 Filbert St., San Francisco.
COST, $500

RECORDED

CONCRETE BUILDING
(1511) S BROADWAY 137-6 W Sansome W 20x8 57-6. All work except plumbing for one-story and basement concrete building.
Owner—Mary Marsicano, 781 Green St., San Francisco.
Architect—Paul De Martini, 2123 Powell St., San Francisco.
Contractor—Julius Martinelli, 1427 Mason St., San Francisco.
Filed June 3, '20. Dated June 2, '20. Joists and concrete poured to 1st floor .....$1730
Rafters in and concrete poured to fire walls..... 1730
Completed and accepted..... 1740
Usual 35 days..... 1750
TOTAL COST, $6950
Bond, $3500. Sureties, Pelade Carmignani and G. B. Olcese. Limit, 65 days after June 7. Forfeit, $5. Plans and specifications filed.

MARBLE WORK
(1512) W MONTGOMERY 75 N Post W 160xN 100. Marble work for two and three-story and basement Class "A" building as addition to present building.
Owner—The First National Bank of San Francisco, NW Montgomery & Post Sts., San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—American Marble & Mosaic Co., 25 Columbus Square, S. F.
Filed June 3, '20. Dated May 28, '20. Semi-monthly payments of.... 75%
Usual 35 days..... 25%
TOTAL COST, $75,374
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

PERMITS.

ALTERATIONS
(1513) NO. 315 HUGO ST. Raise and alter dwelling.
Owner—Mr. Mosais, 647 Central Ave., San Francisco.
Architect—None.
Contractor—S. Steinauer, 3926-A Sacramento St., San Francisco.
COST, $2900

FRAME SCHOOL
(1514) S WASHINGTON 60 W Maple. One-story frame private school.
Owner—A. Appleton, 1st National Bk. Bldg., San Francisco.
Architect—W. C. Hays, 1st National Bk. Bldg., San Francisco.
Contractor—I. M. Sommer, 401 Balboa Bldg., San Francisco.
COST, $19,200

ALTERATIONS
(1515) NO. 714 MARKET. Re-arrange present quarters for restaurant.
Owner—English Investment Co., 135 Sutter St., San Francisco.
Architect—None.
Contractor—Grace & Bernieri, Claus Spreckels Bldg., San Francisco.
COST, $2000

REPAIR SHOP
(1516) SW NINTH AVE & CLEMENT. Enlarge repair shop.
Owner—A. S. Chubbuck, 121 19th Ave., San Francisco.
Architect—None.
Contractor—Geo. Wagner, Bush and Kearny St., San Francisco.
COST, $500

ERECT STAIRS
(1517) NO. 505-7-9 FIFTH AVE. Erect stairs for flats.
Owner—C. J. Benninger, 436 4th Ave., San Francisco.
Architect—None.
Day's work.
COST, $500

REPAIRS
(1518) SW SUTTER AND LAGUNA Sts. Repair fire damage to flats.
Owner—Mrs. Steinman, 15 Presidio Terrace, San Francisco.
Architect—None.
Contractor—S. Steinauer, 3926-A Sacramento St., San Francisco.
COST, $900

CONCRETE STORE
(1519) SW O'FARRELL AND POLK Sts. One-story and basement concrete store.
Owner—Grace Perego, 109 Montgomery St., San Francisco.
Architect—None.
Contractor—J. G. Kincanon, 619 Larkin St., San Francisco.
COST, $20,000

GARAGE
(1520) W BEALE 137-6 N Mission. Three-story reinforced concrete private garage.
Owner—Daniel McKillop, 540 Cole St., San Francisco.
Architect—Arthur S. Bugbee, 320 Sharon Bldg., San Francisco.
Day's work.
COST, $75,000

ALTERATIONS
(1521) NO. 898 FRANCISCO ST. Install bay window in residence.
Owner—Haig Patigan, Premises.
Architect—None.
Contractor—L. J. Dutton, 904 O'Farrell St., San Francisco.
COST, $500

WAREHOUSE
(1522) NW SAN BRUNO AVE AND Sixteenth. Two-story concrete warehouse.
Owner—California School of Mechanical Arts, 16th and San Bruno Ave., San Francisco.
Architect—Wm. C. Hays, First Nat'l. Bank Bldg., San Francisco.
Contractor—K. E. Parker Co., Clunie Bldg., San Francisco.
COST, $30,000

RECORDED.

FRAME FLATS
(1523) W FRANKLIN 90 S Green S 30 W 110-4. All work for two-story frame flats.
Owner—E. J. Pierron, 1796 Union St., San Francisco.
Architect—Fabre & Thayer, 110 Sutter St., San Francisco.
Contractor—Paul DeMartini, 2689 Octavia St., San Francisco.
Filed May 27, '20. Dated May 25, '20. Rough frame up.....$3275
Ready for brown coat..... 3275
White coated ..... 3275
Completed and accepted..... 3275
Usual 35 days..... 4400
TOTAL COST, $17,500
Bond, $8750. Sureties, G. B. Cordano and A Pedrini. Limit, 100 days. Forfeit, $10. Plans and specifications filed.
NOTE:—Permit reported May 28, 1920, No. 1442.

FRAME FLATS
(1524) E FIFTEENTH AVE 175 S California 25x127-6. All work for two-story frame building (flats).
Owner—B. M. Gunzburger and Rosalie Stich, 1933 Ellis St., San Francisco.
Architect—None.
Contractor—Andrew Olson, 289 Fell St., San Francisco.
Filed June 4, '20. Dated June 2, '20. Frame up and roof sheathed...$2200
Brown coated ..... 2200
Plaster completed and windows in ..... 2100
Completed and accepted..... 2125
Usual 35 days..... 2875
TOTAL COST, $11,500
Bond, $5750. Sureties, Jno. E. Beck and A. H. Meyer. Limit, 100 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit applied for today.

MOVE RESIDENCE
(1525) SE SAN JOSE AVE 272.26 NE Lawrence Ave; No. 2809 San Jose Ave. All work for moving, foundations, underpinning steps, etc., for a one-story frame residence.
Owner—Wm. H. and Marie F. Maguire, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed June 4, '20. Dated May 24, '20. Building moved, underpinned and enclosed .....$555
Completed and accepted..... 555
TOTAL COST, $1110
Bond, $555. Surety, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.

MOVE RESIDENCE
(1526) SE SAN JOSE AVE 163.07 NE Farragut Ave; No. 2773 San Jose Ave.
Owner—May Ora Black, Premises.
Architect—None.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed June 4, '20. Dated Apr. 29, '20. Building moved, underpinning in and enclosed .....$514
Completed and accepted..... 514
TOTAL COST, $1028
Bond, $514. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.

LOFTS
(1527) NE FIRST AND MISSION STS. Five-story and basement Class "B" Lofts.
Owner—C. C. Moore, Sheldon Bldg., San Francisco.
Architect—Frederick H. Meyer & Albion R. Johnson, Bankers Investment Bldg., San Francisco.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.
COST, $250,000

RESIDENCE
(1528) E TWENTY-FIRST AVE. 250 S Balboa. One-story and basement frame residence.
Owner—S. A. Wood, 53 Presidio Ave., San Francisco.
Designer—J. H. Thorup, 674 24th Ave., San Francisco.
Contractor—J. H. Thorup, 674 24th Ave., San Francisco.
COST, $5,000

RESIDENCE
(1529) E TWENTY-FIRST AVE. 225 S Balboa. One-story and basement frame residence.
Owner—J. H. Thorup, 674 24th Ave., San Francisco.
Architect—Owner.
Day's work.
COST, $5,000

ALTERATIONS
(1530) NO. 2276 FIFTEENTH ST. Alterations and changes for two flats.
Owner—John Strothoff, 2276 15th St., San Francisco.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor—Ernest Swanson, 311 Lowell St., San Francisco.
COST, $1,900

RESIDENCE
(1531) E MIRAMAR 175 N HOLLOWAY. One-story and basement frame residence.
Owner—D. Tiscornia, 231 Delano Ave., San Francisco.
Architect—None.
Day's work.
COST, $4,000

NEW BEAMS
(1532) NO. 915 BATTERY ST. New beams in warehouse.
Owner—Baker and Bowers, Battery and Green Sts., San Francisco.
Architect—Chas. Phillips, Pacific Bldg., San Francisco.
Contractor—W. O. Purdy, 2045 Divisadero St., San Francisco.
COST, $1,000

RECORDED

FRAME SCHOOL
(1534) S WASHINGTON 60 W Maple W 106-6 S 123-2¾ E 46-11¼ N 39-7⅝ E 60 N to beg. All work for one-story frame school.
Owner—A. Appleton, 1st National Bank Bldg., San Francisco.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—I. M. Sommer, 401 Balboa Bldg., San Francisco.
Filed June 5, '20. Dated June 2, '20. Floor joists in..... 25%
Plaster on ..... 25%
Accepted ..... 25%
Usual 35 days..... 25%
TOTAL COST, $19,198
Bond, $19,198. Sureties, A. Sommer & H. Roth. Limit, 65 days. Forfeit, $15. Plans and specifications filed.
NOTE:—Permit reported June 5, 1920, No. 1514.

CLASS "B" BUILDING
(1535) NW SIXTEEINTH AND SAN Bruno Ave W 88xN 100. All work for

Owner—The California School of Mechanical Arts, Premises.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Contractor—K. E. Parker Co., Clunie Bldg., San Francisco.
Filed June 5, '20. Dated May 13, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $46,760
Bond, $46,760. Sureties, Chas. C. Horton and Paul B. Fay. Limit, 100 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported June 5 1920. No. 1522.

### LEASE.

#### San Francisco County.

June 5, 1920—N McALLISTER bet. Leavenworth and Hyde. Edward Roklin to Consumers Compressed Yeast Co. 5 years, $3825.
June 4, 1920—NO. 801-807 GRANT AV. and 802-806 Clay. Chas. Hirsch to S. T. Gee. 60 months. $44,100.
June 3, 1920—SW VALENCIA AND 21st No. 1000 Valencia. John A Lennon to Ascanio Tagnotti and Carlo Palidori. 60 months. $50 per month.
June 1, 1920—NO. 245 CARL ST. bet. Stanyan and Willard. Mrs E C Kent to Mrs L D Ponedel. 2 years. $32.50 per month.
June 2, 1920—S EDDY bet. Leavenworth and Hyde Streets; No. 447 Eddy St. Acherman Estate Co to Mrs C C Miller. 4 years. $33,600

### NOTICE OF NON-RESPONSIBILITY.

#### San Francisco County.

June 4, 1920—NW FULTON AND Pierce 48 on Fulton x108-6. Evelyn McCormick as to improvements on leased property.

## COMPLETION NOTICES

### San Francisco County

May 29, 1920—E TWENTY-FIFTH Ave 165 N Balboa N 25 E 120 S 25 W 120. A E Johnson to whom it may concern.....May 9, 1920
May 29, 1920—N MAGELLAN AVE & SW Cor. Lot 10 E 40 N parallel with E bdy line Lot 10 100 W 40 S 100 Lot 10 W 6.67 Lot 9 Blk 7, Forest Hill. Regina Marshall to J Prout.....May 27, 1920
June 1, 1920—LOT 21 BLK 2988, Claremont Court on Ulloa St. Jason I and Hilda M Freitas to Lang Realty Co.....May 17, 1920
June 1, 1920—W GOUGH 30 S Oak S 30x87-6. Walter S Goldberg to whom it may concern..May 25, 1920
June 1, 1920—S TURK 109 W Van Ness Ave W 55xS 120. Oscar H Curtaz to whom it may concern.....June 1, 1920
June 3, 1920—NO. 1215 PALOU AVE. Giuseppina Buffa to A Sorbi.....March 5, 1920
June 3, 1920—NE ORTEGA AND Eighth Ave N 100 E 35-0½ m or l SE 100 m or l W 29-2 m or l. Edwin H and Isabel M Carleton to H P Maas and R J McGahey.....May 26, 1920
June 3, 1920—S FULTON 87-6 W Gough W 50xS 87-6. John F Smith to A D Collinan.....May 21, 1920

### LIENS FILED.

#### San Francisco County

June 3, 1920—SW SACRAMENTO & Gough S 55xE 100. W P Fuller & Co vs Thos A Cavanaugh and Lafayette Investment Co and M Stulsaft Co .....$1942

### SPAIN RUSHING WORK ON POSTAL BUILDING

MADRID.—The Cabinet is making strong efforts to complete the central postal headquarters in Madrid in preparation for the arrival of the foreign delegations for the coming International Postal Congress in October. The building has been fifteen years under construction and the outlay has been $3,000,000.

## BUILDING CONTRACTS

### Alameda County

| | | | |
|---|---|---|---|
| 1248 | Scofield | [illegible]low | 500 |
| 1249 | Langun | Owner | 400 |
| 1250 | Gallagher | [illegible]ton | 1350 |
| 1251 | Cal Msn Furn | Owner | 1500 |
| 1252 | Wolf | [illegible]ams | 2575 |
| 1253 | Harris | Tufts | 400 |
| 1254 | Folkers | Dingwell | 2590 |
| 1255 | Green | Pedgrift | 450 |
| 1256 | Handy | Owner | 3000 |
| 1257 | Fenton | Church | 3000 |
| 1258 | Diggs | Howlett | 1200 |
| 1259 | Bartlett | Spence | 680 |
| 1260 | Keane | [illegible] | 2590 |
| 1261 | East Bay Water | Owner | 400 |
| 1262 | Egan | Button | 3800 |
| 1263 | Enos | Owner | 400 |
| 1264 | Norris | Cal. Builders | 13500 |
| 1265 | Arents | Oakley | 6500 |
| 1266 | Leithman | Owner | 1000 |
| 1267 | Christine | Ferrall | 600 |
| 1268 | Craig | Wright | 800 |
| 1269 | —— | Kidder | 2250 |
| 1270 | Tucker | Frazee | 1817 |
| 1271 | Eva Estate | Cameron | 25000 |
| 1272 | Oijerstedt | Owner | 700 |
| 1273 | Rogie | Parker | 7300 |
| 1274 | McCarty | Owner | 4000 |
| 1275 | Rabjohn | MacGregor | 5000 |
| 1276 | Kepple | Owner | 3200 |
| 1277 | Cames | Okd. Ref. | 1000 |
| 1278 | Nelson | Nelson | 1200 |
| 1279 | Barrel Syrup | Moore | 4000 |
| 1280 | Struma | Owner | 457 |
| 1281 | Enos | Cuthbertson | 600 |
| 1282 | Havencourt | Hollenbeck | 3850 |
| 1283 | Havencourt | Hollenbeck | 7253 |
| 1284 | Havencourt | Hollenbeck | 3609 |
| 1285 | Havencourt | Hollenbeck | 7288 |
| 1286 | Havencourt | Hollenbeck | 14506 |
| 1287 | MacArthur | Giacometti | 5200 |
| 1288 | Rabjohn | MacGregor | 5060 |
| 1289 | Hill | Cuthbertson | 42456 |
| 1296 | Standard | S. F. Bridge | 53100 |

ALTERATIONS
(1248) NO. 2227 E-TWENTY-SECOND St., Oakland. Alterations and addition.
Owner—P. E. Scofield, Premises.
Architect—None.
Contractor—W. S. Bigelow, 821 13th St., Oakland.
COST, $500

GARAGE
(1249) NO. 36 HERMOSA, Oakland. Garage.
Owner—Clinton Langun, Premises.
Architect—None.
Day's work. COST, $400

GARAGE
(1250) NO. 1741 EUCLID AVE., Berkeley. Garage.
Owner—Bessie Gallagher, 2707 Virginia St., Berkeley.
Architect—None.
Contractor—Mathew Morton, 2911 Benvenue, Berkeley.
COST, $1350

ADDITION
(1251) FOURTH ST. AND BANCROFT Way, Berkeley. Addition.
Owner—California Mission Furniture Co., Premises.
Architect—None.
Day's work. COST, $1500

FRAME GARAGE
(1252) SE COR. COLLEGE AVE AND Woolsey St. S 50xE 120, Berkeley. All work for frame garage.
Owner—Mrs. Mary Hays Wolf, Batavia, Java.
Architect—Charles F. Masten & Lester W. Hurd, 68 Post St., San Francisco
Contractor—Charles C. Williams, Syndicate Bldg., Oakland.
Filed June 1, '20. Dated Apr. 14, '20.
Frame completed and accepted.. ¼
Brown coated completed and accepted ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $2575
Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS
(1253) NO. 336 ALCATRAZ AVE., Oakland. Alterations.
Owner—Mrs. E. J. B. Harris.
Architect—None.
Contractor—G. K. Tufts, 2746 Hillegass Ave., Berkeley.
COST, $400
two-story Class "B" reinforced concrete building.

ALTERATIONS
(1254) NO. 907 FILBERT ST., Oakland. Alterations.
Owner—Ludolph Folkers, Premises.
Architect—None.
Contractor—J. H. Dingwell, 2006 West St., Oakland.
COST, $2590

ALTERATIONS
(1255) SE FORTY-FIRST ST. AND Manila Ave., Oakland. Alterations.
Owner—Jos. G. Green.
Architect—None.
Contractor—Jas. H. Pedgrift, 351 12th St., Oakland.
COST, $450

DWELLING
(1256) S HOPKINS 550 W Maple, Oakland. One-story 5-room dwelling.
Owner—Pearl Handy, 1661 Hayes St., Oakland.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
(1257) NOS. 4035-37 HOWE ST., Oakland. Alterations and additions to dwelling.
Owner—Mrs. Metta M. Fenton, 41st and Howe Sts., Oakland.
Architect—None.
Contractor—Albert A. Church, 859 58th St., Oakland.
COST, $3000

ALTERATIONS
(1258) NO. 1616 ENCINAL AVE., Alameda. Alterations.
Owner—Henry W. Diggs, Premises.
Architect—None.
Contractor—J. C. Howlett, 1320 Grove St., San Francisco.
COST, $1200

ALTERATIONS
(1259) NO. 2063 SAN ANTONIO AVE., Alameda. Alterations.
Owner—Mrs. Bartlett, Premises.
Architect—None.
Contractor—A. T. Spence, 641 Taylor Ave., Alameda.
COST, $680

DWELLING
(1260) W CALIFORNIA 367.66 S Bancroft Way, Berkeley. One-story 5-room dwelling
Owner—D. T. Keane, 2918 Telegraph Ave., Berkeley.
Architect—None.
Day's work. COST, $2500

STATION
(1261) ROSE ST., Berkeley. Pumping station.
Owner—East Bay Water Co.
Architect—None.
Day's work. COST, $400

SCHOOL
(1262) E DANA ST. 150 N Alcatraz, Oakland. Two-story addition to school.
Owner—Rev. John Egan, 400 Alcatraz Ave., Oakland.
Architect—None.
Contractor— I. W. Button, 347 63rd St., Oakland.
COST, $3800

ADDITION
(1263) NO. 1838 E-SIXTEENTH ST., Oakland. Addition.
Owner—Antonio Enos, 1834 E-16th St., Oakland.
Architect—None.
Day's work. COST, $400

APARTMENTS
(1264) W ELLITA ST. 100 S Grand Ave., Oakland. Two-story sixteen-room apartments.
Owner—J. Norris.
Architect—None.
Contractor—California Builders Co., 1534 Franklin St., Oakland.
COST, $13,500

DWELLING
(1265) S EXCELSIOR 103 W Alma Ave., Oakland. One-story six-room dwelling.
Owner—C. A. Arents, Syndicate Bldg.,
Architect—None.
Contractor—Oakley & Kolmoden, 1911 65th Ave., Oakland.
COST, $6500

DWELLING
(1266) S HAROLD ST. 300 W BOSTON Ave., Oakland. One-story two-room dwelling.

Owner—J. Leithman, 2308 Damuth St., Oakland.
Architect—None.
Day's work. COST, $1000

ALTERATIONS
(1267) NO. 1734 SEVENTH ST., Oakland. Alterations.
Owner—A. Christine, 1757 7th St., Oakland.
Architect—None.
Contractor—E. J. Ferrall, 858 Willow St., Oakland.
COST, $600

REPAIRS
(1268) NO. 2432 MILVIA ST., Berkeley. Fire repairs.
Owner—Mrs. Craig, 2434 Milvia, Berkeley.
Architect—None.
Contractor—C. Wright, 2127 Kittridge St., Berkeley.
COST, $800

ADDITION
(1269) NO. 2627 VIRGINIA ST., Berkeley. Addition to dormitory.
Owner— .
Architect—None.
Contractor—H. C. Kidder, 2075 Addison St., Berkeley.
COST, $2,250

HEATING PLANT
(1270) W EUCLID AVE. bet. Grand and Van Buren, Oakland. Heating plant for apartment building.
Owner—A. J. Tucker, 1st Nat'l Bk. Bldg., Oakland.
Architect—Schirmer Bugbee & Co., Thayer Bldg., Oakland.
Contractor—L. D. Frazee, 699 36th St., Oakland.
Filed June 1, '20. Dated June 2, '20.
Roughed in and oil tank installed .....$681
Completed ..... 682
Usual 35 days..... 454
TOTAL COST, $1,817
Bond, none. Limit, none. Forfeit, none. Plans and specifications filed.

ALTERATIONS AND REPAIRS
(1271) NO. 1007 BROADWAY, Oakland. Alterations and fire repairs to theatre and stores.
Owner—Eva Estate, 406 Front St., San Francisco.
Architect—None.
Contractor—H. C. Cameron, 5619 Dover St., Oakland.
COST, $25,000

DWELLING
(1272) BAY VIEW AVE. Leona Heights, Oakland. 1-story three-room dwelling.
Owner—K. J. Oijerstedt, Oakland.
Architect—None.
Day's work. COST, $700

DWELLING
(1273) W FAIRFAX AVE 200 N Ygnacio, Oakland. Two-story nine-room dwelling.
Owner—J. Rogie, 4001 Woodruff Ave., Oakland.
Architect—None.
Contractor—Joseph Parker, 944 E-14th St., Oakland.
COST, $7,300

GARAGE
(1274) NW COR. FOOTHILL BLVD. and High St., Oakland. 1-story brick garage.
Owner—F. E. McCarty, 3206 High St., Oakland.
Architect—None.
Day's work. COST, $4,000

DWELLING
(1275) S HUBERT ROAD 365 E Grosvenor Place, Oakland. One-story five-room dwelling.
Owner—Lloyd E. Rabjohn, Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
COST, $5,000

DWELLING
(1276) W SIXTY-FIRST AVE 80 N Avenal Ave., Oakland. One-story five-room dwelling.
Owner—Wm. S. Kepple, 2468 60th Ave., Oakland.
Architect—None.
Day's work. COST, $3,200

ICE CHEST
(1277) NO. 5831 SAN PABLO AVE., Oakland. Ice chest.
Owner—H. Cames & Co., Premises.
Architect—None.
Contractor—Oakland Refrigerator Co., 2766 Grove St., Oakland.
COST, $1,000

GARAGE, ETC.
(1278) NO. 1947 BLAKE ST., Berkeley. Garage and alterations.
Owner—H. P. Nelson, Premises.
Architect—None.
Day's work. COST, $1200

FACTORY
(1279) E HIGH ST. AT S. P. R. R. Track, Oakland. One-story factory.
Owner—T. L. Barrel Syrup Co., 1421 46th Ave., Oakland.
Architect—None.
Contractor—P. A. C. Moore, 1421 46th Ave., Oakland.
COST, $4,000

ADDITION
(1280) NO. 935 KENNEDY, Oakland. Addition.
Owner—John Struma, Premises.
Architect—None.
Day's work. COST, $457

ALTERATIONS
(1281) NO. 1537 JACKSON ST., Oakland. Alterations.
Owner—Dr. M. M. Enos, Premises.
Architect—None.
Contractor—Thos. S. Cuthbertson, 1766 12th Ave., San Francisco.
COST, $600

DWELLING
(1282) E HAVENSCOURT BLVD. 527 N E-14th St., Oakland. One-story five-room dwelling.
Owner—Havenscourt Co.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th St., Oakland.
COST, $3,850

DWELLINGS
(1283) E SIXTY-SEVENTH AVE. 160-200 N Arthur St., Oakland. Two one-story five-room dwellings.
Owner—Havenscourt Co.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th St., Oakland.
COST, $3,609 and $3,644

DWELLING
(1284) E SIXTY-SIXTH AVE. 155 N Fairview, Oakland. One-story five-room dwelling.
Owner—Havenscourt Co.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th St., Oakland.
CCOST, $3,609

DWELLINGS
(1285) E SIXTY-SIXTH AVE. 220-260 N Arthur, Oakland. Two one-story five-room dwellings.
Owner—Havenscourt Co.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th St., Oakland.
COST, $3,644 each

DWELLINGS
(1286) E-SIXTY-SIXTH AVE. 211-251 526-566 N Flora, Oakland. Four one-story five-room dwellings.
Owner—Havenscourt Co.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—G. B. Hollenbeck, 966 26th St., Oakland.
COST. $3,609; $3,644;$3,644; $3,609

ALTERATIONS
(1287) BROADWAY, Ye Liberty Theatre, Oakland. Painting, tinting, papering, scaffold, stenciling, etc., for theatre.
Owner—J. J. MacArthur, Hippodrome Theatre, Oakland.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.
Contractor—W. J. Giacometti, 149 49th St., Oakland.
Filed June 5, '20. Dated June 3, '20.
End of first week.....$1,300
End of second week..... 1,300
End of fourth week..... 1,300
Balance at rate of $100 per week.
TOTAL COST, $5,200
Bond, none. Limit 30 days. Forfeit, none. Plans and specifications filed.

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MILLIONS STATE MONEY.

SACRAMENTO—California banks today hold $13,106,790 of state deposits, which is drawing interest averaging 3.45 per cent, despite the fact that 2 per cent only is being paid for municipal and county monies, said State Treasurer Friend W. Richardson. Eight million dollars is drawing 3 per cent, $1,500,000 from 3.6 per cent to 4 per cent and less than $500,000 is on deposit at 3 per cent.

DWELLING AND GARAGE
(1288) S HUBERT ROAD 365 E Grosvenor Place being Lot 7, Blk. 8, Map Lakeshore Highlands, Oakland. One story five-room dwelling and garage.
Owner—E. and Lois Rabjohn, 7111 Chabot Road, Oakland.
Architect—None.
Contractor—C. M. MacGregor, 470 13th St., Oakland.
Filed June 5, '20. Dated June 26, '20.
Frame up ..... ¼
Brown coated ..... ¼
Completed and accepted ..... ¼
Usual 35 days ..... ¼
TOTAL COST, $5,060
Bond, $2,500. Sureties, G. A. Scott and J. F. Smith. Limit, 120 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1289) LOT 8, BLK. 22, Map Lakeside Tract, Adams Point Property, Oakland. Three-story frame apartments.
Owner—H. G. Hill, First National Bank Bldg., Oakland.
Architects—Chas. W. McCall and W. J. Wythe, Central Bank Bldg., Oakland.
Contractor—Thomas A. Cuthbertson, 1766 12th Ave., San Francisco.
Filed June 4, '20. Dated June 4, '20.
Second floor joists in place....$5,000
Frame completed ..... 5,000
Ready for lath ..... 5,000
Plastered ..... 5,000
Ready for paint ..... 8,000
Completed and accepted ..... 6840
Usual 35 days ..... 10616
TOTAL COST, $42,456
Bond, $21,500. Sureties, J. H. McCallum and E. O. Benner. Limit 119 days. Forfeit, $25. Plans and specifications filed.

WHARF
(1290) S OAKLAND ESTUARY 600 W Webster Street bridge, Alameda. All work for wharf.
Owner—Standard Coal Co.
Engineer—W. E. Dodge, 36 Eucalyptus Road, Oakland.
Contractor—S. F. Bridge Co., Nevada Bank Bldg., San Francisco.
Filed June 5, '20. Dated Apr. 23, '20.
1st week of each month ..... 90%
36 days after ..... 10%
Bond, $30,000. Sureties, Anson S. Blake and H. Krusi. Limit, 60 days. Forfeit, none. Plans and specifications filed.

## COMPLETION NOTICES

### Alameda County

June 1, 1920—LOT 29 San Antonio Court, San Leandro. H Elmer Johnson to whom it may concern.....May 28, 1920
June 2, 1920—S UNIVERSITY AVE., bet. Curtis and Bonar, Berkeley. Board of Education of the City of Berkeley to Scott Co....May 18, 1920
June 2, 1920—S OREGON ST., bet. Grant St and McGee Ave, Berkeley. Board of Education of the City of Berkeley to Scott Co....May 18, 1920
June 2, 1920—E TELEGRAPH AVE., bet Stuart and Ward, Bkly. Board of Education of the City of Berkeley to C D Vezey....May 18, 1920
June 2, 1920—OAKLAND TERMINAL Plant, Oakland. Southern Pacific Co to American District Telegraph Co.....May 28, 1920
June 2, 1920—LOT 106 Sbdvns 29 and 30 Map Resbdvn Peralta Park, Berkeley. W N Bowyer to Al Hendrickson.....June 1, 1920
June 2, 1920—LOT 3 BLK 28 Amended Map Fairmont Park, Albany. Joseph A Stuart to whom it may concern .....May 15, 1920
June 2, 1920—E TELEGRAPH AVE. bet. Ward and Stuart Sts., Bkly. Board of Education of the City of Berkeley to J E O'Mara. May 26, 1920
June 2, 1920—S OREGON ST., bet Grant and McGee, Bkly. Board of Education of the City of Berkeley to C Christensen & Son. May 26, 1920
June 2, 1920—E CLAREMONT AVE., bet Webster and Russell, Berkeley. Board of Education of the City of Berkeley to W K Nottingham.....May 18, 1920
June 4, 1920—LOTS 10 AND 11 BLK. 134 Kellersberger Map of Oakland, Oakland. Tribune Publishing Co. to James H. Pedgrift...May 28, 1920

## LIENS FILED.

### Alameda County

May 28, 1920—SE FOURTEENTH & Clay E 50.08 S 70.03 E 16.27 S 29.97 W 66.35 N 100, O. & R B Stuart. $248.25; W O Vert. & s, $146.75 vs B E Blake and K. & Chase....
June 1, 1920—SE FOURTEENTH & Clay E 50.08 S 70.03 E 16.27 th right angels 29.97 W 66.35 N 100, Okd. W P Fuller & Co vs Kohler & Chase and P E Blake.....$47.98
June 1, 1920—S CEMETERY AVE. at NW Cor. Mrs. Richters Place NW 23.60 Ch. S 6.50 Ch. SW 3.25 Ch. SE 3.80 Ch. NE. 35 links SE. 4.10 Ch. SE. 3.10 Ch. SE 3.40 Ch. NE 13.21 Ch. NW 3.70 Ch. NE 7.40 Ch. NE 4.66 Ch., Eden Tp. Sunset Lumber Co. vs. M. S. Rodgers .....$547.18
June 2, 1920—LOT 14 BLK. 1 Map The Highlands, Berkeley. Sunset Lumber Co. vs. Albert and Dora Manzie and A. A. Merrifield.....$294.24

## NOTICE OF NON-RESPONSIBILITY.

### Alameda County.

June 4, 1290—LOTS 1 and 2, BLK. 4, Map Meek Estate Orchards, Hayward. H. W. Meek Estate, Inc. as to improvements on leased property.
June 4, 1920—S JAYNE AVE. 150 from E Line Perkins St. S 130 E 50, Oakland. H. C. Morris Co. as to improvements on leased property.

## OAKLAND BUILDING PERMITS FOR THE MONTH OF MAY, 1920.

| Classification of Bldgs. | No. Permits | Costs |
|---|---|---|
| 1-story dwellings | 50 | $160,422 |
| 1½-story dwellings | 4 | 21,187 |
| 2-story dwellings | 8 | 58,850 |
| 2-story flats | 2 | 21,900 |
| 2-story apartments | 3 | 45,000 |
| 1-story schools | 6 | 8,220 |
| 3-story mold loft bldg | 1 | 30,000 |
| 1-story warehouses | 2 | 2,900 |
| 1-story barracks | 1 | 2,000 |
| 1-story stores | 1 | 6,700 |
| 1-story boiler shop | 1 | 2,000 |
| 1-story brick garage | 1 | 8,350 |
| 1-story brick boiler house | 1 | 6,000 |
| 1-story tile dwelling | 1 | 4,500 |
| 1-story concrete auto sales bldg. | 1 | 12,500 |
| 3-story concrete auto sales bldg. | 1 | 100,000 |
| 2-story concrete store blg. | 2 | 236,000 |
| 1-story concrete store and offices | 1 | 9,000 |
| 2-story concrete machine shop | 1 | 14,000 |
| 1-story concrete station bldg. | 1 | 18,000 |
| 1-story concrete garages | 4 | 3,280 |
| 1-story concrete church bldg. | 1 | 23,205 |
| Roof sign | 1 | 3,500 |
| Electric signs | 5 | 1,560 |
| 1-story steel service station | 1 | 4,500 |
| Foundation | 1 | 2,000 |
| 1-story garages and sheds | 119 | 31,550 |
| Additions | 43 | 25,756 |
| Alterations | 77 | 94,799 |
| Totals | 341 | $957,679 |
| SUMMARY | | |
| New construction | 264 | $862,880 |
| Alterations and repairs | 77 | 94,799 |
| Totals | 341 | $957,679 |

## ARCHITECT'S CERTIFICATE.

### Alameda County

June 1, 1920—Charles F. Masten has filed his Certificate of Architecture for Alameda County.

## BUILDING CONTRACTS.

### Santa Clara County.

GARAGE
E SANTA CLARA ST. near Nineteenth, San Jose. Corrugated iron garage.
Owner—Davis & Castner, San Jose.
Architect—None.
Day's work. Cost, $2,000

HOUSE
NINETEENTH AND EMPIRE, San Jose. Two-room house.
Owner—Joe Bargline, San Jose.
Architect—None.
Day's work. COST, $400

GARAGE
MARKET AND BALBACH STS., San Jose. Concrete garage.
Owner—Jno. Carrotto, 560 N-Fifth St., San Jose.
Architect—Wallace & Bush.
Contractor—Wallace & Bush, Bank of San Jose Bldg., San Jose.
COST, $35,000

COTTAGE
LOCUST St. near Park, San Jose. Five room cottage.
Owner—C. Maurer, 370 W-San Fernando St., San Jose.
Architect—None.
Day's work. COST, $3500

## COMPLETION NOTICES.

### Santa Clara County.

Recorded Accepted
June 3, 1920—SAN JOSE, Cal. Salsina Canning Co. to J. H. Miller.....May 27, 1920
June 3, 1920—138 RANDOL AVE., San Jose. H. R. Sherman to whom it may concern.....June 3, 1920
June 3, 1920—SANTA CLARA. V. A. Scheller to Morrison Bros.....May 26, 1920
June 2, 1920—San Jose, Cal. William H. O'Neil.....June 1, 1920
May 29, 1920—EVERGREEN PARK (near) Mountain View, Cal. T. J. Phillips to whom it may concern.....May 29, 1920

## BUILDING CONTRACTS.

### Fresno County.

DWELLING AND GARAGE
LOTS 31, 32, BLK. 22 ARLINGTON Heights, Fresno. Frame dwelling and garage.
Owner—D. M. Benton.
Architect—None.
Day's work. COST, $3,500

REPAIRS
NO. 651 F ST., Fresno. Repairs.
Owner—Kamikawa Bros., 1540 Kern St., Fresno.
Architect—None.
Contractor—Carl Vogt, 849 B St., Fresno.
COST, $2,500

GARAGE
LOTS 20, 21, 22, BLK. 1 Griffith 2d Addition, Fresno. Garage.
Owner—W. R. Holmes, 117 Coast St., Fresno.
Architect—None.
Contractor—F. C. Wilson.
COST, $1,500

ADDITION
NO. 1579 WISHON AVE., Fresno. Addition.
Owner—Mrs. Phil Scott, 1579 Wishon Ave., Fresno.
Architect—None.
Contractor—H. H. Putnam.
COST, $4,000

DWELLING AND GARAGE
LOTS 2, 3, BLK. 2, Palm Hghts., Fresno. Frame dwelling and garage.
Owner—A. E. Erickson, 1034 N St., Fresno.
Architect—None.
Contractor—T. H. Nelson, 3041 Iowa St., Fresno.
COST, $5000

DWELLING AND GARAGE
LOT 22, Lucerne Tract, Fresno. Frame dwelling and garage.
Owner—Julius Hovanitz, Fresno.
Architect—None.
Day's work. COST, $4,500

DWELLING AND GARAGE
LOT 17 BLK 30, Alta Vista, Fresno. Frame dwelling and garage.
Owner—L. Nielson, Fresno.
Architect—None.
Day's work. COST, $4700

GARAGE
LOT 4 BLK 1, Beleview, Fresno. Garage.
Owner—Mrs. F. J. Dow, 1010 Butler St., Fresno.
Architect—None.
Contractor—G. C. Cannon, Butler and S-8th Sts., Fresno.
COST, $7500

GARAGE
LOTS 23, 24 AND 25 BLK 76, Fresno. Garage.
Owner—L. Cleinman, Fresno.
Architect—None.
Day's work. COST, $16,000

### COMPLETION NOTICES.

#### Fresno County.

Recorded Accepted
May 29, 1920—LOT 11, 12, BLK, EL Capitan Addition, Fresno. S. L. Polito to whom it may concern.... .....May 28, 1920
May 29, 1920—LOTS 6, 7, BLK. 2, Matteawan Addition, Fresno. Wm. Lambert to whom it may con-.. cern.....May 27, 1920
June 1, 1920—LOT 11, BLK. 30 ALTA Vista Tract, Fresno. Edward R. Copland to whom it may concern.. .....June 1, 1920

### BUILDING CONTRACTS.

#### Sacramento County.

GARAGE
NO. 1520 K ST., Sacramento. One-story brick and concrete garage.
Owner—E. C. Anthony Co. Inc., 1228 K St., Sacramento.
Architect—Ben G. McDougall, 381 Bush St., San Francisco.
Contractor, W. C. Duncan & Co., Sharon Bldg., San Francisco.
COST, $33,000

BUILDING
PORT LOT 7, B. C. 18th and 19th, Sacramento. Four-story reinforced concrete almond shelling building.
Owner—California Almond Growers Exchange, 1809 C St., Sacramento.
Architect—Geo. C. Sellon, 1005 8th St., Sacramento.
Contractor—Healy Tibbets Constr. Co., 9 Main St., San Francisco.
Filed June 2, '20. Dated June 1, '20.
COST, $92,000

FOUNDATION
NO. 620 "F" ST., Sacramento. Concrete foundation.
Owner—California Packing Co., 613 "G" St., Sacramento.
Architect—None.
Contractor—McGillivrary Constr. Co., Capitol Nat'l Bk. Bldg., Sacramento.
COST, $11,000

BUILDING
LOT 1 and W 40 ft. Lot 2 S, T, 7th and 8th Sts., Sacramento. Two-story brick building.
Owner—Franciscan Sisters, 2518 K St., Sacramento.
Architect—None.
Contractor—Louis G. Barton & Carroll O. Dudley, 3921 J St., Sacramento.
Filed May 29, 20. Dated, May 26' '20.
COST, $40,000

### BUILDING CONTRACTS.

#### San Joaquin County.

FRAME DWELLING
SOUTH STANISLAUS ST. in Kidd's Addition, Stockton. Frame dwellings.
Owner—Ramsey-Emerson Co., Record Bldg., Stockton.
Architect—None.
Day's work. COST, $2500

OFFICE BLDG.
NW WEBER AVE AND CALIFORNIA St., Stockton. Two-story reinforced concrete and brick office building.
Owner—San Joaquin Investment Co.
Architect—Davis, Heller & Pearce, Belding Bldg., Stockton.
Contractor—Davis, Heller & Pearce, Belding Bldg., Stockton.
COST, $45,000

FRAME DWELLING
JACKSON AND AMERICAN STS., Stockton. Frame dwelling.
Owner—Mrs. E. E. Kitchen, Stockton.
Architect—None.
Day's work. COST, $2500

FRAME RESIDENCE
NO. 115 A ST., Fair Oaks. Frame residence.
Owner—C. Weatherwax, 15 A St., Stockton.
Architect—None.
Day's work. COST, $1975

FRAME RESIDENCE
LOT 6 BLK 2, Moss Villa, Stockton. Frame residence.
Owner—M. F. Smith, 841 N-Center St., Stockton.
Architect—None.
Day's work. COST, $2600

FRAME RESIDENCE
SOUTH CALIFORNIA ST., bet. First and Second Streets, Stockton. Frame residence.
Owner—Roger Brandon, 1128 S-Stanislaus St., Stockton.
Architect—None.
Day's work. COST, $4000

RESIDENCE
NO. 115 A St., Fair Oaks, Stockton. Frame residence.
Owner—S. Weatherwax, 115 A. St., Stockton.
Architect—None.
Day's work. COST, $1,975

### REVIEW OF FAR EASTERN COMMERCIAL PRESS.

[Compiled from clippings made by the Far Eastern Division, Bureau of Foreign and Domestic Commerce.]

**American Shipping to Kobe Increasing.**

The Japan Advertiser comments upon the steady increase since the war in the number of American merchant ships arriving at Kobe. This number has recently outstripped that of any other foreign country. The March shipping returns for Kobe indicate that 29 British ships were next in number to the 33 American, while French and Dutch followed with 3 each, and one or two ships entered the harbor from Russia, China, and Denmark. British tonnage, however, amounting to 192,213 tons, was slightly larger than the American, which amounted to 190,386 tons. An increase in the movements of Japanese coasting ships is also evidenced by the March returns, 1,214 of the total number of 1,287 ships being Japanese and 73 foreign, and increase of 93 in the former and a slight decrease in the latter, compared with the month of February.

**Keen Competition in India.**

With the United States and Japan each maintaining advantageous business in India and British manufacturers endeavoring to regain their pre-war position in this market, competition is keen for the trade of that country, according to the Trans-Pacific. Textiles and machinery mainly from England, cotton hosiery, silk piece goods, and glassware chiefly from Japan, and electric machinery and automobiles almost entirely from the United States, supply India's demands in these lines at present. The importation of paper from the United States during the last year greatly increased, and American manufacturers successfully furnished the Indian market with supplies of hardware, bolts and nuts, nails, rivets, and machinery and mill furnishings generally.

**Ten-Year Plan for Improvement of Tokyo Harbor.**

The plan at present being formulated by a committee of various civic bodies, especially appointed to investigate the possibilities of making Tokyo one of the leading seaports of the world, are announced in the World Salesman as comprising a ten-year project at an estimated cost of $175,000,000. A large area is proposed, extending from the breakwater to land, including wharves, godowns, etc. One-half of this area will be under water. Sufficient equipment in the way of docks and freight facilities will be erected to handle cargo amounting to 25,000,000 tons. A complete report of the investigating committee is to be shortly submitted to the Tokyo Municipal Assembly for approval, with the hope that permission for beginning the work of erection in the spring of 1921 may be granted.

**Supplementary Review Available.**

In addition to the foregoing, items of commercial interest concerning, under Japan, the expansion of Koke's telephone system, the size of Kobe, the amalgamation of electric wire companies, the increasing demand for small ships, and the inauguration of a Korean newspaper; under China, projected improvements in Taku Harbor, the development of Mongolia by Sino-Japanese concern, the opening of a Sino-French university in Shanghai, and the invention of a new green dye; under the Dutch East Indies, the new harbor for Samarang, and the deep-sea fishing industry; and under Burma, the development of Bruma mines, may be obtained by requesting file No. FE-146.

### HIGH SPEED STEEL WITHOUT TUNGSTEN

A new high speed steel of British origin is without tungsten in its composition and advantages of both a practical and economical nature are claimed. It is cobalt-molybdenum steel, the cobalt apparently acting as a stabilizer and as correcting certain disadvantages said to exist in molybdenum-tungsten steels. The new steel is claimed to possess the highest point of efficiency ever obtained. The hardening temperature required is only in the neighborhood of 2,600 degrees Fahrenheit. The steel is also reported to machine exceptionally soft and easily. The specific gravity of como steel is reported to be equal to that of the old carbon tool steel, and so 10 per cent less than that of the tungsten high-speed steels. As a result it is estimated that a given weight of como steel will produce 10 per cent more tools than the same weight of regular high-speed steel.

### LOS ANGELES TO HAVE SKYSCRAPER GARAGE

LOS ANGELES, Cal.—A "skyscraper garage" is the latest at Los Angeles.

An eight-story building, with elevator service capable of handling and storing more than 1000 automobiles, and to be devoted exclusively to motor service purposes, is being constructed here.

The investment in this enterprise, it is announced by the builders, will be upward of $650,000.

## LATIN AMERICAN TRADE NOTES.

[The figures cited refer to reserved information or trade lists, which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or co-operative offices.]

**Marking Shipments for Export to Mexico.**

Vice Consul Willys A. Myers, at Vera Cruz, wishes to bring to the attention of exporters that more care in marking cases for foreign shipment in the language of the country to which the goods are being shipped would greatly facilitate their safe arrival at their final destination. He explains that very often the badly damaged condition in which goods arrive is due to the fact that the freight handlers can not read the directions, and suggests that exporters and forwarding agents have stencils of directions made in the languages of the countries to which they make shipments. A list of shipping terms and their Spanish equivalents may be obtained by referring to file No. 4333.

**Acquisition of Tin Mines in Bolivia by American Interests.**

American interests recently acquired the rights to three Bolivian tin mines —Caracoles, Huanchaca de Inquisivi, and Pacuni—located in the Department of La Paz, at a distance of about 65 miles from the Eucalyptus station of the Bolivia Railway between Oruro and La Paz. The total area of these properties, which lie at an altitude of about 17,000 feet above sea level, is about 4,000 hectares, and deposits are known to run from 10 to 15 per cent tin. Already a center of operations has been established at Eucalyptus, where 26 American engineers are at work doing the preliminary construction and installment work both at the mines and on the road between the railroad and the properties. Trade Commissioner Schurz reports that a road suitable for auto trucks is to be built by the company and a hydro-electric plant for supplying the mines with power is to be installed.

**Sanitary Improvements in Paita, Peru.**

After an effort to render the city of Paita rat-proof, a resolution has been approved by the President to destroy every house in the city except six. An epidemic of bubonic plague has occasioned the radical move, and work will proceed forwith. As yet, Paita has achieved no great size—there are about 1,000 houses built of bamboo and driftwood—but it is certain to be an important port, states Trade Commissioner Jackson, and will be all the more so if it is freed from the bubonic plague and yellow fever. All dwellings destroyed will be rebuilt at the expense of the Government and will be rented or sold to former occupants if they wish them, while owners of houses destroyed will be reimbursed by values as assessed by the Government.

**Need for Telephone Extensions in Jamaica.**

Consul Charles L. Latham reports that the Governor of Jamaica recently requested the legislative council to vote an appropriation for the purpose of obtaining an expert to investigate the possibilities of extending the telephone system of the city of Kingston to cover the entire island. The present system, which embraces approximately 600 phones equipped with American apparatus and 400 miles of double wire, does not afford communication with points outside of the city's immediate vicinity. The legislative council, however, failed to make the appropriation although it recognized the desirability of the extension. It is therefore believed that there is a good opening for an American telephone and engineering firm which would be willing to send an expert prepared to investigate conditions for no other recompense than the opportunity of bidding for the installation contract. Communications might be addressed to the Governor of Jamaica or to the Director of Public Works of Kingston, Jamaica.

**Medical College to be Erected at Shanghai.**

Plans are being worked out for the erection of the Shanghai Medical College, one of the two projects of the Rockefeller Foundation in China, reports Consul General Edwin S. Cunningham. It is said that this institution will follow the lines of the Peking Union Medical College, which consists of a group of laboratories, hospital wards, service buildings, and staff residences, and embody all the features of a modern medical center.

**A Suggestion to Advertisers in China.**

It has been suggested that the value of advertising catalogs sent to China, especially of those sent to other than the principal cities, will be greatly increased if American firms will indicate in such catalogs the names of their representatives or agents in the principal distributing centers of China, in Hongkong, and in Manila, as it has been noted that whenever consular files are consulted by Chinese jobbers desiring American goods, the inquiry is invariably made as to the nearest source of supply.

**Railroad Development in Southwestern China.**

That the oft-projected development of the railway facilities in southwestern China is again under active consideration is reported by Consul M. F. Perkins, Changsha. February press reports indicate that the southern government at Canton is anxious to proceed as soon as possible with a comprehensive scheme for the unification of the southern Provinces with trunk lines of railway, and branch roads, either railways or highways. Such an undertaking will, of course, be the work of many years, even under the most favorable circumstances, but any initial steps will have important influence on the future developments.

## NEW HEATING APPARATUS

Using his privilege of making a complaint, the prisoner asked to speak to the governor of the jail.

"This cell's too cold, sor," he said. "If it isn't heated up abit it's freezing to death Oi'll be intoirely."

By the governor's orders a thermometer was placed in the cell. This was left for an hour; then the governor and the head warden went again to the cell to look at the instrument.

No sooner had they entered than the Irishman exclaimed in relieved tones:

"Bedad, sor, an' d'ye know my cell's a lot warmer since that thing's been here? Lave it, sor, it's hayting up the place foine!"

## BETTER DESIGNS FOR BRITISH POTTERY.

[The London Times Trade Supplement.]

The British Pottery Manufacturers' Federation recently devoted a special meeting to the subject of industrial art —a distinct and, perhaps, unprecedented acknowledgment on the part of manufacturers of the importance of design to their industry. With the demand for wares so strong and continuous as it is, and with buyers not too critical, so long as they can secure goods, manufacturers might almost be pardoned a neglect of the art side of the industry. As a matter of fact, however, plenty of new designs and better designs than have been seen for decades are being produced, for manufacturers are realizing that it costs little or no more—in fact, sometimes less—to make a thing beautiful instead of ugly; that it is the shape and decoration that first attract the intending purchaser, and that good design in combination with admitted technical perfection is calculated to justify the high prices that are inevitable with the present cost of production.

The Manufacturers' Federation heard addresses on the aims of the British Institute of Industrial Art and referred to its arts and designs committee the question of participating in the forthcoming or future exhibitions of the institute. The British Institute, except that its operations apply to all craft industries, is, in fact, following the excellent example of the Ceramic Art Society, whose two adjudicated exhibitions have undoubtedly had an improving influence on pottery design. The example of the Ceramic Art Society has also been followed in Sweden, where competitions have been organized and the makers of the wares accepted permitted to stamp their goods with a statement that they have been so accepted, thus giving them a hall mark of good design.

The Manufacturers' Federation also gave consideration to the reorganization of the Potteries Art School, which is now bein carried out by the new art director, who, with the cooperation of the employers, is determined to make more intimate the relations between the factories and schools.

## SOAP FACTORY TO LOCATE HERE.

A plant to cover about thirty acres, and to employ 500 hands at the beginning and subsequently 1,000, has been secured for the San Francisco bay district as the outcome of a survey of Pacific Coast territory by representatives of Proctor & Gamble, big soap manufacturers, of Cincinnati, Ohio.

According to the Industrial Department of the Chamber of Commerce, representatives of the company announced before leaving the city that they had taken an option on the bay site. The exact location was not made public, although it is said to be in the vicinity of Richmond.

Favorable consideration was given to the San Francisco peninsula, particularly on account of the available labor supply and the admirable facilities for transportation and distribution, but the high property values as well as the difficulty in finding such a large tract, were found to be prohibitive.

## PROMOTING PLANT EFFICIENCY

The eight hour day is not only more efficient than the 10 hour day in industrial plants, but is more economical

This is the conclusion reached by experts of the United States Public Health Service after a careful detailed study of conditions and production in standard factories of both classes, which has been under way since 1917.

The plants surveyed were selected after a great deal of care. Each is a modern factory, employing such a large number of workers as to make any conclusions reached apply to industry in general. The other consideration was that the machinery, manufactured product and processes in the 10 hour plant should be sufficiently similiar to the eight hour plant to make a fair comparision.

The advantages are all in favor of eight hour days, or shifts, as compared with the 10 hour day, and relate to maintenance of output, to lost time and to industrial accidents.

Here are the main conclusions summarized:

Maintenance of output: The outstanding feature of the eight hour day is steady maintenance of output. The outstanding feature of the 10 hour system is the decline of output.

Lost Time: Under the eight hour system work with almost full power begins and ends approximately on schedule, and lost time is reduced to a minimum. Under the 10 hour system work ceases regularly before the end of the spell and lost time is frequent.

Stereotyped Output: Under the 10 hour system the laborers seem to artifically restrict their efforts and to keep pace with the less efficient workers.. Under the eight hour day the output varies more nearly according to the individual capacity of the laborer. That is, each is more likely to do his utmost, rather than an "average day's work," regulated by a low standard.

Industrial Accidents: This phase of the study is of particular interest. Ordinarily accidents may be expected to vary directly with speed of production, owing to increased exposure to risk. But when fatigue is taken into consideration there is a marked modification of this rule. When there is a reduction of output due to fatigue there is a rise in the number of accidents; that is, in the last hours of the 10 or 12 hour day, in spite of employees slowing up in work, more accidents occur. If for any reason production is speeded up in the last hours, when the laborers are fatigued, the rise in the number of accidents rises so rapidly as to leave no room to doubt that the higher accident risk accompanies the decline in working capacity of the employee.

These conclusions are based on so careful a study by officers of the U. S. Public Health Service and on so large a number of employees that they may undoubtedly be applied by industrial engineers generally.

The full report is contained in Public Health Bulletin No. 106, which is the first of a series to be published by the U. S. Public Health Service on the problems of industrial working capacity. In the two hundred pages making up the present report is presented a wealth of information which no Industrial engineer can afford to neglect. Certainly if American industry is to maintain its present leadership it will only be as the result of the application of sound physiological principles.

## THE POSTAL SERVICE

The postal service of the country has never been as inefficiently performed as it is now, since the activities of the war demoralized the handling of the mail. In that period of stress and turmoil there was, of course, reason why there should be interruption and delay. People forgave and overlooked the annoyances that frequently meant much in the way of interference with, and loss in business. The expansion of the military-naval force, the dispatch of thousands of troops abroad, the maintenance of an Army of two million men in France, and the manifold increase in the industrial situation naturally made enormous demands upon the postal service, but even then it was worse than it need to have been had there been efficient management in the Post Office Department. But now there is no reason for the existing paralysis of the system. It is utterly indefensible and a reproach and a disgrace to the administration.

We are informed by the National Publishers' Association, through one of its periodical bulletins, of this state of affairs in the postal service:

Complaints cover, not only great delay in second-class delivery, but gross neglect and failure to deliver third-class matter. It was reported that a short time ago the New York post office had on hand 80,000 bags of undelivered mail, which had to be placed in a warehouse until it could be forwarded. Warehouses were said to be maintained in numerous western terminals, such as Omaha, Kansas City, St. Louis, Chicago, etc., for the storage of third-class mail. Delivery of local third-class mail was reported 22 days late. In one case, where 1,600,000 pieces of third class were mailed for delivery throughout the country beginning February 17, only 25 per cent were reported delivered over two months later.

The complaints received from subscribers to weekly newspapers and monthly magazines continue to pour in, alleging late delivery and non-delivery of those periodicals. Sometimes and indeed frequently, according to communications received at this office, the U. S. Government Advertiser, mailed from Washington on Wednesday night, is not delivered to a subscriber who has a definite street and number address in New York city until the following Friday or every Saturday and early in the next week, with deliveries at other points, especially in the middle west, practically hopeless. A similar deplorable and disgraceful situation prevails in other directions. In the meantime, newspapers and magazine publishers are subjected to an enormous charge for the shipment of second class mail matter, the regulation in this particular being complicated by a system of zones of delivery and a separation of advertising from reading matter under two different rates for each zone. All of this not only increases expense of publications prodigiously, but it adds to the difficulties of routine office work in order to satisfy the governmental demand for records and reports. With the extra rate of postage fastened upon publications, in some instances resulting in extinction, the Post office Department under Mr. Burleson has rendered a service that is a scandal in its efficiency and incompetence. It almost partakes of the nature of obtaining money under false pretenses. It certainly exacts the payment from publishers for something that is not furnished.—U. S. Government Advertised.

## ROOFING MATERIALS USED ON SUMATRA EAST COAST.

[Consul A. E. Carleton, Medan, Sumatra, Mar. 9, 1920.]

The modern style private house in Medan is constructed of cement, which material is fast replacing wood for building, although the latter is undoubtedly better suited for the tropics than cement. It is claimed that wooden houses are only serviceable for 10 or 12 years, and moreover the greatly increased cost of these wooden structures has forced the construction of cement buildings.

Formerly both tile and stap roofing were most generally used, but with the advent of cement houses, stone and wooden shingles have been adopted. Patent roofings are practically unknown in the Sumatra East Coast, the reason being that the torrential rains and the great heat militate against their employment. There are very few flat roofs in Medan, the roofs as a general rule having a decided pitch, because of the great rains and because such roofs are said to be much cooler. Stone shingles are becoming very popular, as they are easy to place in position, the shingles being interlocking and, therefore, requiring no cement. They are, besides, made in such a way that the air has free play, but no water may enter.

The wood shingle, or sirap, a British Indian product, is also popular, especially at Brastagi, where the winds probably would not admit of the free use of stone shingles. The wooden shingles are first soaked in a preparation in order to make them water tight. On the estate stap roofing is used extensively, as it is considered very serviceable, and likewise cheap. On garages, small manufacturing plants, etc., corrugated iron or tar paper is used, but only in a temporary way.

## GREAT BRIDGE READY AFTER TWENTY YEARS.

CHICAGO—Ten thousand tons of steel, Chicago's new boulevard link bridge, settled into place recently with a whirring of gears and for the ninth time in 117 years northern and southern Chicago were connected by a direct lake front route.

The new bridge, a double deck bascule, or "jack knife" type, is a triumph of engineering skill. When the draw is opened for passing ships the two immense "leaves" tower 150 feet into the air. A broad boulevard viaduct leads to the upper level, reserved for pleasure vehicles only, while trucks and drays rumble over the lower passageway. The bridge cost $16,000,000 and more than 20 years was spent in its planning and construction.

## LATIN AMERICAN TRADE NOTES.

[File numbers cited refer to reserved information or trade lists, which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or cooperative offices.]

**Proposed Installation of Light and Power Plant in Colombia.**

A franchise for the operation of a light and power plant within the Santa Marta municipal district in Colombia has been obtained by an American who expects to be ready to furnish light and power to consumers within a year. The only central power station at present in operation in the Santa Marta consular district is organized under the laws of Colombia, although the capital subscribed as well as the present management is American.

**Publication Dealing with Construction Work in River Plate Countries Available.**

Dealers in construction materials may be interested in a weekly publication, "El Constructor," devoted to construction work in the River Plate countries, which is to be transmitted regularly by the Commercial Attache Office in Buenos Aires. Each issue gives an especially useful table of current prices, not only of the usual construction materials such as cement, tiles, sand, lumber, etc., but also of the various types of imported roofing materials, glass, iron, and steel. Other information available includes lists of contracts for public works, bids to be opened, importations of construction material, etc. Interested persons may consult this publication (printed in Spanish) in the Latin-American division of the Bureau of Foreign and Domestic Commerce.

**Use of Argentine Mail for Distributing American Goods.**

The advisability of establishing local distributing warehouses by those companies seeking to secure business in Argentina is commented upon by Commercial Attache Klein in a recent communication. Complaints of mail delays, of fees and stamps connected with the clearing of packages through the customs, and of the pilfering of articles are repeatedly heard. In order to overcome these difficulties, goods might be received in quantities by freight from the United States and distributed to clients through the Argentine mail. Dr. Klein adds the information that the Argentine Post Office Department has recently made arrangements for a domestic parcel-post system for packages up to 20 kilos (44 pounds) to cover all of the 3,000 post offices in the country, with possibly later extensions to Chile, Uruguay, and Paraguay. The department is only awaiting the arrival of scales from the United States to put this parcel system into operation.

**New Commercial Activities in Bolivia.**

An English company known as the Madeira-Mamore Trading Co. (Ltd.) has been organized to do business in Bolivia. Agencies are to be established at Trinidad, Santa Cruz de la Seirra, and Riberalta in Bolivia; and Porto Velho, Manaos, and Para, Brazil, the managers and clerks for these agencies having been expected from England in April. Stores will be opened at Trinidad, Santa Cruz de la Seirra, and Riberalta, where large stocks of merchandise and machinery suitable to the region will be disposed of either wholesale or retail. The announced intention is to accelerate deliveries and, through elimination of third parties, to reduce the cost to the buyer. In addition to the agencies mentioned, the company now controls two stern-wheel steamers and have two more building in England, all of which will be used to distribute freight on the different rivers. Each of the boats will also carry a full line of merchandise and be equipped with an agent to dispose of the cargo either for cash or for local products.

## FAR EASTERN TRADE NOTES.

[Prepared in the Far Division, Bureau of Foreign and Domestic Commerce, to which refer for fuller particulars. The District and Cooperative Offices have reserved information where reference number is given.]

**American Freight Cars for Chinese Railway.**

The recent signing of a contract for the purchase from an American firm of 20 standard American freight cars for use in transporting coal from the Pinghsiang collieries to Wuchang on the Yanst River marks a return by the Chuchow-Pinghsiang Railway to the use of American equipment. Although the road was built of American materials and originally operated with American equipment, subsequent purchases were primarily from German sources, as the directing engineer of the road and the technical staff of the mine were nearly all of that nationality.

**Proposed Opening of Tsiningchow, China, to Foreign Trade.**

The desirability of opening to foreign trade the city of Tsining has been set forth in a petition sponsored by prominent citizens of Shantung Province. This city occupied an important position on the Grand Canal until the overflowing of the Yellow River silted up the canal. Being the center of a fertile region, it still is visited by foreign traders seeking native products for export. It has connections by rail through Yengchow and by water with commercial centers to the north and south, and it is believed that if the plan for the restoration of the Grand Canal is carried out and the proposed foreign settlement established, it would again become an important trade center.

**Trade Promotion in China.**

Mr. Yeh Kung-cho, former vice minister of communications, has recently been appointed by the President of China as high industrial commissioner to further the economic development of China, reports Acting Commercial Attache C. C. Batchelder. He has already accomplished a survey of Chinese products suitable for export, and has advised the Tientsin Chinese Chamber of Commerce in regard to the best methods of collecting and preparing Chinese products for export. To make it easier for foreigners to trade directly with Chinese merchants and to buy in cargo lots without employing compradores and numerous native agents, he strongly urges care in maintaining high standards of quality and the avoidance of adulteration or the use of misleading descriptions and trade-marks. The commissioner started the latter part of March on an extensive trip through Manchuria along the line of the Eastern Chinese Railway for the purpose of encouraging trade between Manchuria and Siberia, especially the trade in beans and bean oil.

**Market for Brick-Making Machinery.**

The present shortage in Dairen of suitable buildings for commercial offices is accentuated by the insufficiency of bricks and the consequent high prices, which were, in March, about 50 per cent higher than the previous July. Of the 50,000,000 bricks produced annually in Darien some 30,000,000 are machine made and 20,000,000 made by hand. In an attempt to meet a portion of the local demand, which is estimated at 200,000,000 a year, one contractor has recently purchased brick-making machinery to the value of $230,000, having a capacity of 2,000 bricks per hour.

**American Chamber of Commerce in Hankow.**

An American chamber of commerce, comprising all the 20 or more American business interests in Hankow, was formed on March 17, 1920, for the purpose of promoting American trade by establishing closer relations between the American concerns and the foreign firms, reports Acting Commercial Attache, C. C. Batchelder. It will also cooperate with the other chambers of commerce in Hankow and other cities, as every recognized center of trade throughout the district has a Chinese chamber of commerce, among them being the Hankow Chamber of Commerce, the Wuchang Chamber of Commerce, and the General Chamber of Commerce for Hankow, Hanyang, and Wuchang, which are very influential organizations. A French chamber of commerce has recently been established in Hankow and there is already a British chamber of commerce in which other nationalities are allowed to join as nonvoting associate members.

## HIGHWAY WORK IN OTHER STATES HALTED

California is not the only state in which changed conditions are playing havoc with plans for state highway construction. The state highway commission of New York, in a letter to Governor Smith, has announced the entire suspension of all new construction until such time as conditions again become normal or near normal.

The conditions which have forced this commission to defer new construction are briefly as follows:

1. Shortage and high cost of labor.
2. Shortage of railway cars and uncertainty of transportation.
3. Lack of competition in bidding.
4. Seemingly unjustifiable advance in cost of materials.
5. Commercial quarries restricting output and in some instances closing down.
6. Necessity of assuring, by utilizing labor which would otherwise be diverted to New York, the completion of the maintenance program which because of the present condition of our highways is an economical necessity and more essential than new construction.

## SEATTLE WORKS BOARD ADOPTS NEW CONTRACT FORM

SEATTLE, Wn.—A new form of contract to be used hereafter by the Board of Public Works on city construction work, was adopted by that body at a recent meeting. The form was proposed by James H. Blackwell, superintendent of buildings on April 23 and later approved as to its legality by the corporation counsel. Hereafter bidders will be required to bid on both the new form and on the old lump sum form of contract and in the event of their declining to do so their bids will be thrown out. Bidders will also be required to specify the time for doing the work in each form of bid and the advertisement for bids will be drawn so as to explain clearly the method upon which they will be required to bid. The first or new form upon which bids must be submitted will be as follows:

1. The estimated actual cost of the work to the contractors.

2. The fee for the contractor's services in performing the work.

3. The premium of thirty per cent on the savings, that is, the amount, if any, that the work costs less than the estimated cost.

4. The forfeit or deduction of thirty per cent if the work costs more than the estimated amount of the contract, the forfeit in no event to exceed seventy per cent of the fee for services.

This thirty per cent in both instances is to be upon the difference between the actual cost and the estimated cost, which can only be determined after the work is completed and the exact cost is known.

The specification is to state that the sum or fee for services must not be less than six per cent or more than fifteen per cent of the estimated cost.

The addition or sum of No. 1, (the estimated cost) and No. 2, (the fee for services) will represent the cost to the owner subject to No. 3, the premium for saving and to No. 4, the forfeit for excess.

It was thoroughly discussed at the meeting of the committee that the bidders might not bid honestly on the figures they made themselves on the estimated cost and the compensation or fee they desired, but for selfish purposes might put in some other figures than their honest figures for these items, on which account a method to determine the lowest bid was adopted as follows:

Take the average of all the lowest estimated costs as the average actual cost. To this will be added the fee for services of each individual bid and thirty per cent of the difference if the average bid is lower than the bids submitted and deduct thirty per cent if the average bid is higher than the actual bid submitted in each case. This is called a system of evaluation and to be used simply to determine who, in the judgment of the board, is the lowest bidder. The contract will be let upon the bid as submitted by the bidders in each case on items 1 and 2.

The specification is to be drawn carefully so as to state just what items of expense for the work are to be included in item 1, the actual cost, and just what items of expense or fees connected with the workers to be included in item 2, the fee for services. The alternative bid will be upon the old lump sum basis for all work shown in plans and called for in the specifications and a time for the completion of said work must be started. The bonds or certified check accompanying the bid will be called for in the general conditions or specification and will apply to both forms of bid.

## FAR EASTERN TRADE NOTES.

[Prepared in the Far Eastern Division, Bureau of Foreign and Domestic Commerce, to which refer for fuller particulars. The District and Co-operative Offices have reserved information where reference number is given.]

### Electric Monorail Tramway Proposed for Tokyo.

With a view to relieving the congestion of traveling in Tokyo and as an auxiliary to the municipal electric-car service, it is reported, several business men of the capital have approached the Government for permission to build a monorail electric tramway over the rivers and canals in Tokyo. The scheme proposes to introduce cars capable of accommodating 50 persons and running at an average speed of about 25 miles per hour. The estimated cost of such a line is $815,000 per mile and the proposed capital of the company is $7,500,000.

### Dairen and Nagasaki to Be Connected by Cable.

Another means of direct communication between Manchuria and Japan is being provided for in the laying of a new cable between Dairen and Nagasaki. The purchase of materials, laying of the cable, and other work in connection thereto will be conducted by the Imperial Japanese Department of Communications, which will also bear all expenses for repairs and upkeep, but all expenses for the laying thereof is to be borne by the South Manchurian Railway Co., with the provision that the Japanese Government shall pay the railway company 7 per cent per annum on the amount so expended for as long a period as the Government shall continue to use the cable. The cost of the undertaking is estimated at $1,350,000. The project is expected to b ecompleted in March, 1921, the materials having been already ordered from England for delivery by November, 1920.

## CHICAGO BRICKLAYERS TAXI TO THEIR WORK

(By Universal Service)

CHICAGO, June 3.—A taxi drew up before a building in the process of construction, the driver leaped out and opened the door and out stepped —no, not the boss of bosses—but two of the bricklayers.

One of them pulled a big roll of bills from his overalls pocket, paid the driver and then the two went in to start the day's work.

A strange sight? Not any more. For it is being done by nearly all of the bricklayers, plumbers and other workmen of any class at all, who are working on a new hotel being constructed here.

They say they taxi to work because the car service is "so beastly" and of the fact that they get more than enough money to do it with. One of the brickklayers, Conrad Holsmacher, puts it this way:

"I get from $60 to $80 a week and it costs about six bits to ride over in a taxi, so why should I take chances on a crowded street car?"

Oh why, indeed! The bankers and bosses may be satisfied with street cars, but—Hey, taxi!"

## A NEW STORY.

Charles Caldwell Dobie, whose short stories are regarded among the best in American literature, has written a novel on a new phase of San Francisco life. New in the sense of not having been discovered before for literary use. The San Francisco of "The Blood Red Dawn," just off Harpers press, shows the Greek folk life in the western metropolis. It is a novel that will come close to Californians for its interpretation of the City of Seven Hills and for its revelation of a writer who learned his subject by living close to its heart.

It is a story of a girl told in the accounting of her reactions. A character development in which the analyzing is done by the reader, a narrative that uncovers a soul without one word of dissection or one paragraph of moralizing. It is when Claire Robson becomes a piano player in a Greek cafe that she thinks she has closed all doors behind her. Here she learns that all is not wicked that is so labeled and in this Greek community there are the quaint ways and customs of old Europe.

Professional Bohemians discover Dobie's heroine in her corner of Greece. They crowd the Greek folk dancers off the floor. Old friends find Claire Robson coldly proud and determinedly hard She is one who clings to a place where there is at least no pretence of virtue rather than surrender to the appeal of a world that cast her out. It is a situation in which she rather receive money thrown at her feet by those old friends "out on a time," than accept of their charity and in it Dobie has preserved a realism as convincing as it is tragic. This newest mystery story of San Francisco, "The Blood Red Dawn," will win a place in the heart of the Nation for both the author and the city.

## ARCHITECTURAL ENGINEER NAMED FOR OAKLAND BUILDING DEPARTMENT.

OAKLAND, Cal.—R. J. Burks, a deputy building inspector in the municipal building department for the past six years, has been appointed to the position of architectural engineer in the department to fill the position recently vacated by the resignation of Frank Barry. An ordinance reconstructing the status of the position was passed to print by the city council as a preliminary to the appointment of Burks.

## HOISTING AND PORTABLE ENGINEERS TO GET WAGE RAISE.

The Hoisting and Portable Engineers' Union No. 59, has notified the Board of Public Works, through its Secretary, J. J. Hattrup, that commencing September 1st wages will be raised to $10 for an eight-hour day.

How to dispose of $1,200,000 of the $4,500,000 5 per cent Los Angeles harbor bonds without increasing the interest rate, is a problem now receiving the attention of city officials. The money is needed to provide urgent improvements in harbor facilities.

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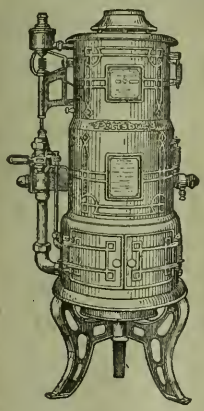

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TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

Chapter Office 700 Marston Building 244 Kearny St., San Francisco

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# EDITORIAL

L. A. LARSEN, Publisher.
J. P. FARRELL, Managing Editor.

## U. S. Chamber of Commerce Fails To Endorse Govt. Public Works Department

WASHINGTON, June 10.—A proposal that the Chamber of Commerce of the United States advocates the establishment of a government Department of Public Works failed to carry in a referendum of the Chamber's membership, the result of which was announced today. The votes on the three propositions submitted were:

Shall a Department of Public Works be established by the national government? In favor, 826; against, 549; necessary to carry, 917.

Shall a Department of Public Works be established by a suitable modification of the existing Department of Interior, excluding therefrom the nonrelated bureaus and offices by change of name from the Department of Interior to the Department of Public Works? In favor, 675; against, 679.

Shall a Department of Public Works be established by creation of an entirely new department? In favor, 282; against, 992.

Out of the 1250 member organizations entitled to vote upon the propositions, 477 took advantage of the opportunity to record their vote regarding a Department of Public Works. The returns disclose an especially strong sentiment against the creation of an entirely new and independent department, the vote being about four to one against it.

The referendum was taken at the instance of the Engineering Council, an organization member of the National Chamber. The proposal submitted by the Engineering Council was reduced to three main propositions by a committee of eleven of which Charles Nagel, formerly secretary of Commerce and Labor, was Chairman. The other members were: Samuel B. Botsford, Buffalo, J. Parke Channing, New York City, L. S. Gillette, Minneapolis, Ira N. Hollis, Worchester, Mass., Frederick Newell, Urbana, Illinois, William C. Redfield, formerly Secretary of Commerce, New York City, F. A. Seiberling, Akron, Ohio, F. Harper Silbey, Rochester, New York, M. C. Tuttle, Boston, Mass., W. F. Willoughby, Washington, D. C.

## CENTRAL BODY OF BUILDERS EXCHANGE ORGANIZED

**Large and Enthusiastic Meeting. Election of Officers.**

Delegates from 47 associations and crafts engaged as contractors in the building business, also representatives from the architects, bankers and real estate firms held an open meeting yesterday at the headquarters of the Builders' Exchange, and formally organized the Central Body of the Builders' Exchange by electing J. D. McGilvray, President; Chas. Gompertz, Vice-President; P. J. Lynch, Secretary.

The following working rules submitted by a special committee consisting of Henry Jacks ,Chairman, Chas. W. Gompertz, Geo. Chambers, Chas. E. Reinhart, H. P. Fessenden and C. S. Tripler, as secretary, were unanimously adopted.

First: Name. It is recommended that the body be known as The Central Body of The Builders' Exchange.

Second: Principal place of business shall be in the City and County of San Francisco.

Third: The meeting place shall be the Builders' Exchange.

Fourth: Representation in the Central Body shall be confined to one delegate and one alternate from each affiliated trade association, such association to consist of not less than three individuals, firms or corporations engaged in the building or building material business in the City and County of San Francisco, and one delegate at large from unorganized crafts similarly engaged, provided that all members of unorganized crafts to be so represented must first be members of The Builders' Exchange.

Fifth: The objects of the Central Body shall be primarily those set forth in proposition four under which the body proposes to organize, that is: A central body to be formed by delegates from the various crafts with headquarters in the Builders' Exchange. This body to take up all matters appertaining to wages, agreements and all vital affairs in connection with the building industry.

A board of eleven directors for the Builders' Exchange shall be elected as previously, which board shall act as an executive committee for the central body, and further, to give its thought to and aid in the solution of such other problems affecting the welfare of the entire building industry, as may be brought to its attention by the Builders' Exchange through the Board of Directors of said exchange.

Sixth: The business of the Central Body shall be conducted by the entire membership, the president of the Builders' Exchange sitting with them as a representative Ex Officio. Two-thirds of the representatives shall constitute a qorum for the transaction of business, the recommendations of the Central Body to be made operative through its executive committee provided for in proposition four.

Seventh: Date of annual and monthly meetings to be set at the first regular meeting of the Central Body.

Eighth: At the annual meeting of the Central Body it shall elect from among its members a President and Vice-President and the Executive Committee shall appoint a Secretary. The president shall appoint a Joint Conference Committee.

As all members of the Central Body are representatives of members of the Builders' Exchange, no fees or dues are provided for other than those required by the constitution and by-laws of the Builders' Exchange. As the Central Body is acting in certain matters for and by authority of the Builders' Exchange, it is anticipated that the Executive Committee will provide all necessary machinery for the conduct of the business of the Central Body.

Addresses were made by Henry Jacks, Chas. W. Gompertz, Alexander Mennie, Mr. Morehead of Oakland, C. K. Pearson, V. Stowe, S. Schnaittacher, Wm. Mooser, Wm. George, W. H. Healy, etc.

An encouraging letter from Fresno Association, telling of their successes was read.

Meeting adjourned to meet on Tuesday, June 15th at 180 Jessie St., at 1:30 o'clock P. M.

## BUILDERS' DAY

Builders' Day, Saturday, July 3, at Big Basin will be followed that evening by the second annual festival of the Sempervirens Forest Play Association, to be staged in the natural amphitheatre in the big state park of 14,000 acres.

None but California talent, from beginning to end, are concerned with the presentation of the allegorical play. Don E. Richards, son of Appellate Judge, John E. Richards, wrote the play, and Howard H. Hansen, dean of the Pacific Conservatory of Music, wrote the music. The big cast of principals, the choruses and the orchestra will be made up mainly of San Francisco and San Jose people.

Anita Peters Wright's dancing girls will have an important part in the play. They will appear as wood sprites forest elves and fairies.

The Sempervirens Club sponsored the first Big Basin forest play in September of last year, at which time it also followed the annual Builders' Day, which was originated by Clarence F. Pratt. The play is produced as a means of calling national and international attention to the scenic wonders of the great California park of redwoods, and to foster the "save the redwoods" movement generally. Albert P. Hill, the San Jose artist, is president of the club, which has among its patrons, United States Senator James D. Phelan and Congressman Hugh S. Hersman.

Clarence F. Pratt announces that Builders' Day this year will be the biggest thing yet. Great plans are under way for a three-day holiday, which will start Saturday morning, July 3, and close Monday evening, July 5th. There'll be a great list of athletic and sports events, for which a long list of unusually valuable prizes will be provided.

Other local builders particularly active in the preparations for the holiday are John D. McGilvary, William S. Scott, Supervisor Ralph McLeran, John P. Horgan, George R. Gay, H. J. Brunnier, R. V. Cleghorn, Jack Bender, Al White, Al Pape, Percy J. Walker, Frank Mordecai, Charles Munson, Charles Holloway, A. Durhrow, Emil Hogberg and W. J. Feary.

## WATERWAYS OFF BAY FACE VITAL PROBLEM

Problems heretofore unknown to waterways opening off the bay are growing acute as the salt water penetrates farther inland, according to statements in an address by A. A. Brown, before the San Francisco Association of Members of the American Society of Civil Engineers, at 57 Post street. T. H. Means, consulting engineer, also commented on this phase of encroachment.

It was declared that piling at the American Hawaiian Sugar Refining Company plant at Crockett, driven in 1881, and for thirty years immune from teredo attack, now is a target for attack of the marine borers. The same condition obtains in other localities.

# Proposed Contract Provisions.

Reprint From General Contractors Bulletin.

An analysis of income tax returns shows that contracting is the most hazardous industry in the country. They show that the amount of loss for every dollar of profit made by construction corporations is eight times as great as it is in manufacturing, agriculture, or personal service corporations; five times a great as in transportation and public utility corporations; over three times as great as in mining and quarrying; and nearly twice as great as in banking.

The reasons for this condition are due to the unusual number of doubtful elements in construction with which a contractor must work. It is unnecessary to enumerate them. They are all too familiar. It is sufficient that the more such uncertainties can be eliminated, the lower will be the costs of construction to the owner, the more satisfactory will be the relations of the architect, the engineer, and the contractor, and the more will contracts be awarded on a basis of skill, integrity and responsibility. Never was this more true or action on it more needed than at the present time.

From the very nature of construction many of these uncertainities can either be assumed by the contractor or the owner. Some which are now assumed by the contractor ought by right to be assumed by the owner. Other uncertainities may be eliminated entirely to the advantage of both parties. The improvement of present contract provisions is one of the simplest solutions for this problem.

With these thoughts in mind the Committee on Contracts of the Associated General Contractors of America during the past year has made a study of 113 different forms of contracts of various types. The committee are not prepared at this time to submit a complete form of contract embodying every provision which should be included in a good contract. They have, however, approved the following provisions which they recommended be included in every contract made by members of the Associated General Contractor of America. Additional provisions will be submitted from time to time.

The suggestions of members and others interested are cordially invited.

### PROPOSED CONTRACT PROVISIONS

**1. Action on Bids**

Bids should be submitted with the provision that they must be acted upon within a reasonable time.

**2. Freight Rate Changes**

Bids should be submitted on the basis of existing freight rates, with the provision that in case a change in rates should occur between the time bids are received and the date fixed for the completion of the contract, the contract price should be increased or decreased accordingly.

**3. Wage Scale Changes**

Bids should be stated and be submitted on existing wage rates, with the provision that the contract price shall be increased or decreased in accordance with any change in such rates before the date fixed for the completion of the contract.

**4. Material Price Changes**

Bids should be submitted on the basis of existing prices for materials f. o. b. the producers' plant or distributor's yard, with the provision that the contract price shall be increased or decreased in accordance with any change in such price that takes place within the time allowed the contractor to purchase and fabricate his materials.

**5. Monthly Estimates**

Monthly estimates should include materials delivered and suitably stored as well as materials incorporated in the work.

**6. Partial Payments**

Certificates should be prepared and delivered to the contractor between the first and tenth day of each month, showing the proportionate part of the contract price earned during the preceeding month. These certificates should be paid by the owner by the tenth day of the month. Interest on deferred payments should be paid the contractor at the prevailing rate.

**7. Contractor's Right to Stop Work**

Under the following conditions the contractor should have the right to stop work or terminate the contract upon three days' written notice to the owner and the architect, and recover from the owner payment for all work executed and any loss sustained upon any plant or material and reasonable profit and damages:

(a) If the work should be stopped under an order of any court, or other public authority, for a period of three months, through no act or fault of the contractor or any one employed by him;

(b) If the architect or engineer should fail to issue the monthly certificate for payment in accordance with the terms of contract;

(c) If the owner should fail to pay the contractor, within seven days of its maturity and presentation, any sum certified by the architect or engineer or awarded by arbitration.

(d) If the owner does not permit the contractor to proceed with construction within a reasonable time after signing the contract.

**8. Retained Percentage**

The retained percentage should be based on 100 per cent of the work performed and should never exceed 10 per cent. When the amount retained reaches a total sum, which shall be mutually agreed upon by the owner and the contractor, no further reduction from payments should be made.

**9. Surety Bond**

Where a surety bond is given, it should be reduced at agreed intervals so as to cover thereafter only that portion of work then uncompleted.

**10. Penalty Clauses**

Wherever any provision is incorporated in the contract for a penalty against the contractor (including liquidated damages), there should also be inserted a provision for a bonus of like amount.

**11. Acts of God or Public Enemy**

The contractor should not be held liable for results arising from the acts of God or a public enemy.

**12. Time Allowed for Completion of Work**

The time allowed for the completion of the work should be based on "weather working days" instead of on elapsed time, and, if necessary, allowance should be made for time spent in performing unproductive work made necessary by floods or other natural causes beyond the control of the contractor.

**13. Inspection**

Where practicable, materials should be inspected at the source so that costly delay may not result from the rejection, at the site of the work, of materials furnished in good faith by the contractor.

**14. Force Account Work**

Payment for force account work should be made on the basis of the total actual costs of the work, including the actual labor and material costs, rental on equipment, liability insurance, etc., plus a reasonable percentage to cover overhead and profit total to be not less than 15 per cent.

**15. Change in Quantities**

In case the actual quantities of any item in a unit price contract are less than the estimated quantities by more than a certain fixed per cent, the unit price paid the contractor for that item should be increased by an amount to be agreed upon. Similarly, a decrease in the unit prices should be made in case the quantities are increased over the estimate by more than a certain fixed per cent.

### PROPOSED CONTRACT PROVISIONS

Reprint From General Contractors Bulletin

**16. Arbitration**

In no case should the engineer or architect be made the final judge as to the interpretation of the drawings and specifications or the performance of the contract. All decisions and interpretations should be subject to prompt arbitration at the choice of either party to the dispute.

Respectfully submitted,
Committee on Contracts.
J. W. Cowper, Chairman, John W. Cowper Co., Buffalo.
Arthur Bent, Bent Brothers, Los Angeles.
M. L. Cunningham, Municipal Imp. Co., Oklahoma City, Avery Brundage, Chicago.
V. T. Goggin, Fred T. Ley and Co., Inc., Springfield, Mass.
L. S. Oakes, Winston Brothers Co., Minneapolis.
J. W. Rollins, Holbrook, Cabot and Rollins, Corp., N. Y. City.
E. Stanley Holland, Bates and Rogers Const. Co., Chicago.

## PROTEST IRRIGATION PROJECT IN YELLOWSTONE

WASHINGTON, D. C.—Protest against irrigation projects in the Falls River Basin, Yellowstone Park, to relieve drought conditions in Idaho and Wyoming was made before the House Rules Committee by officers of various national organizations on the ground that it would mean the opening of all national parks to commercial exploitation. Organizations protesting included the American Society of Landscape Artists, the National Audubon Society, the American Museum of Natural History, the National Parks Association and the Campfire Club of America.

## READJUSTMET OF MINING INDUSTRY

DENVER, Colorado, June 10—Readjustment of the mining industry to post-war conditions, encouragement of a return of self-confidence among mining men, discussion of the labor situation in all industries, consideration of national and state mining and employers' liability laws, are a few of the objects of a great national convention called by the American Mining Congress in this city November 15-19 next.

Consideration of a taxation program affecting the wasting industrles of the Nation will be the subject under discussion in a National Wasting Industries Tax Conference. All national and state industrial bodies will be invited to participate in a three-day conference on Industrial Relations and producers, financiers and manufacturers will be called together to discuss the problem of the gold and silver miners, Stabilization of Industry and lowering of living costs through the national adoption of a truce between labor and capital to allow speeding up of production will be discussed by employers, labor leaders and government officials.

## NEW TIRE FACTORY

LOS ANGELES. — Consummation of plans for the erection in Los Angeles of a big automobile tire factory, with a capacity of 2500 casings a day at the start, was announced by F. C. Millhoff, general sales manager of the Miller Rubber company of Akron, O., who is now in the city in connection with the big project. Millhoff is accompanied by W. E. Campbell, advertising manager of the rubber corporation.

## STATUS OF STATE HIGHWAY WORK

**Policy of Highway Commission With Regard to Federal Funds Explained**

SACRAMENTO, Cal., (Special.)—The California Highway Commission will welcome a judicial determination of the right of the State Department of Engineering to use Federal Funds for the purpose of paying discounts on highway bonds that otherwise are unsaleable.

Prior to the adoption of this method of meeting the emergency caused by the inability to sell 4½ per cent highway bonds at par, the legality of the method was confirmed by Attorney General Webb and by the fiscal agents of the State. It is the belief of the Commission that the method conforms not only to the letter of the law but to its spirit.

It must be remembered that the Federal money constitutes a reimbursement rather than a construction fund. The United States Government in effect says to the States that if they will construct roads to meet Federal requirements as to specifications that the United States Government will repay the State up to half of the cost of such roads within the amounts allotted to the various States. The law does not require nor particularly contemplate that this money shall be used for further construction. Under normal conditions, California very wisely has used these moneys to augment highway construction funds, but faced with the necessity of using these funds to make highway bonds salable or stopping road work entirely, it is the opinion of the Commission that the use of the funds which are intended to promote and encourage highway construction is legitimate in every respect.

That the State Legislature considered this as a reimbursement fund is also evident from the fact that the only provision for its use made by the Legislature is that it shall be allotted to any fund designed by the State Department of Engineering. The Commission feels that the purpose of the act is being fulfilled by using such funds as are necessary to make up discounts on sales of highway bonds.

All the proceedings in connection with the use of these funds are a matter of public record and the transfers have been made by duly authorized votes which are upon the minutes of the State Department of Engineering. The court will have no difficulty therefore of ascertaining the full facts in connection therewith. In this connection it is worthy of note that the Committee of Twenty One which conducted the Forty Million Dollar Bond Issue Campaign at a meeting held in San Francisco last Friday not only endorsed this method of financing the sale of highway bonds but called upon the State Department of Engineering to sell further bonds making up the discount out of Federal Funds to the end that none of the Federal money allotted to California should be lost through inability to match the Federal appropriations.

The purpose of the present action is undoubtedly simply to harass the Commission and it is but another phase of the guerrilla warfare that the former Secretary of the Commission has conducted both within and without the Highway Department since the refusal of the Commission to increase his salary.

The regrettable feature is that the action is holding up payrolls and that the real sufferers are employees of the Commission, contractors and others who are entitled to payment now for services rendered the State.

If the court should decide by any chance that the use of Federal funds for paying discounts is illegal, it will mean practically an entire cessation of all highway work.

In view of the wide discussion as to the advisability of further highway construction, the Commission deems it wise at this time to issue a statement to the public as to what its policy has been in the past and is at the present time.

Months ago, facing constantly increasing costs and a difficult financial problem, the Commission reached the conclusion that a radical curtailment of its program for 1920 was necessary. As a result, there is now under way less than half of the work originally contemplated by the Commission.

The policy of the Commission has been to avoid the depletion of highway funds without compensating mileage. At the same time it has desired to avoid scrapping an organization that it has taken ten years to build. It has further desired to construct such sections of the highway as may be considered of paramount importance. A very conservative program of construction has been carried out.

Nor does the Commission feel that it can approve the suggestion that has been publicly made that all highway work stop until such a time as the Forty Million Dollar Bond Issue will do all the work that it was originally intended to do. The full meaning of this suggestion should be realized by the public. It may mean the cessation of all highway construction for an indefinite period.

The Highway Commission believes that such a plan would involve a loss in road service to the State far greater than any saving in road costs, and that it would add years of disappointment for counties that already have waited many years for roads promised under the 1909 bond act.

The Commission feels that if reasonable bids can be secured, present building costs considered, conservative construction program including the most important sections should be undertaken.

At the present time, the Commission feels that the contracts now under way should be carried to completion and that no attempt should be made to avoid the obligations incurred by the State with contractors. Certain sections of work that are now under way by day labor should also be completed as a disorganization of the forces now employed on these sections and the stoppage of the work would be more costly than to carry it to completion.

The Commission is reducing its organization to meet the reduced program.

Out of thirty-two surveying crews on location work all but nine have been ordered discontinued.

The only new contracts that have been undertaken within the past few months or that will be undertaken are those which the counties have asked to finance by purchasing highway bonds at par. These are comparatively few in number and all belong to that class of highway which properly can be considered of paramount importance

It is the hope of the Commission, if funds are available, to maintain a sufficient engineering force to complete the preliminary work on projects scattered over the State in order that a large volume of public work may be immediately available for contract if such work is needed to offset a period of industrial depression and unemployment. It is also the purpose of the Commission to devote much attention to maintenance not only to protect existing investments of the State in its roads, but to make certain that the road system of the State will be in a position to take care of any excess volume of traffic that disturbed and disorganized railroad conditions may threw upon it.

With conditions as uncertain as they are it is impossible to map a policy other than for the immediate present. But the Highway Commission feels that the attention of the People of California should be called to the fact that a situation may easily arise where conditions surrounding highway construction may be much more favorable than they are now, but which the State will be prevented from taking advantage of by its inability to sell bonds.

It must be remembered that no matter how cheaply roads may be built, money must be available or no construction can go forward. Such a situation confronted the People of California from 1912 to 1915. The cost of building was low but bonds were unsalable. This situation was met by the sale of bonds to the counties, the counties reselling them at heavy discounts. The Commission feels that prudence requires that a recurrence of such a situation as that of 1914 be prevented. The suggestion has been made by Governor Stephens that a feasible method of doing this is to increase the rates on highway bonds to a point where their sale will be assured. This question may be presented to the voters of California for their approval or disapproval at the November election.

The Highway Commission believes that it will be good business for the State to increase the rate of interest on the highway bonds to assure a larger construction program in the event that building costs decrease to a point that it would be advisable to undertake such a larger program.

## THE YAMPI SOUND IRON DEPOSITS OF AUSTRALIA

(Times Trade Supplement.)

From time to time there have been stories current of enormous areas of iron at Yampi Sound, in northwestern Australia. Recently the State Government dispatched expert mining engineers to examine them, and an exhaustive report has just been supplied by Mr. Montgomery, who estimates the amount of iron ore available—that is, in sight above sea level—at 97,000,000 tons. The larger quantities are on Koolan Island, where the lode rises 600 feet above the water line; the lode is over 100 feet wide, and is traced for nearly 4 miles, but really extends right through the island. On Cockatoo Island the height is 300 feet, the lode being 120 feet wide, and running from end to end of the island.

The quality of the ore is exceptional, assays show that the percentage of pure metallic iron runs from 60.91 to 68.99. There is only 1 per cent of silica present and very little sulphur. These analyses compare favorably with the best-known iron deposits in the world. Newfoundland (Bell Island) ore is 51.80 per cent metallic iron, with 9.50 per cent silica. The French ores run to 57.28 per cent, the Cumberland (England), to 48.80, the Spanish (Bilbao) to 50.84, and the Algerian to a mean of about 50.

Yampi Sound is described as a splendid harbor and can be worked independently of the tides. The ore could be quarried, as Mr. Montgomery points out, and run down chutes by gravitation into the ships hold, as there is deep water right up to the base of the deposits. The working of the iron deposits would undoubtedly lead to the development of the mineral resources of the adjacent country, such os copper, tin and gold. Besides, Yampi Sound will become the base for the opening up of the 17,000,000 acres of fine pastoral lands in West Kimberly, now unoccupied and only waiting for the establishment of a port. It is certain that capital will be available for operating the iron deposits and the rest will follow.

## THE BARNYARD CONCRETE FLOOR

A little pig one summer day was wondering in a wistful way just why he had to be so thin; his bones stuck nearly through his skin. He tried his best to gain a pound; he roamed the hoglot 'round and 'round rooting about through mud and slime an ear of corn to try and find. But all his efforts proved in vain, the mud grew deeper with each rain. Now John, as I forgot to say, has owned this pig since late in May, and thrown him lots of corn and such but still he wouldn't "put on much." John had a son—let's call him Ted, who saw the way the pig was fed; with corn being wasted 'neath his feet he couldn't get enough to eat. Said Ted to Pa, "Here's what we need, a concrete floor on which to feed." "I guess you're right," his Pa replied, "that's something that we've never tried." They drained away the old eyesore—replaced it with a concrete floor, and when the pig found things so neat he set to work to eat and eat. He fattened here, he fattened there; he soon grew larger everywhere; his tail assumed a curleycue, his eyes were bright the summer through. And when at last came the autumn days, Ted said "We'll see how much he weighs," and when two hundred pounds he tipped away to market he was shipped. "Now Pa," said Ted, "floors of concrete for feeding hogs just can't be beat.—Portland Cement magazine.

# ADVANCE NEWS
## Official Proposals, Etc.

# Building.

## APARTMENT HOUSES.

APARTMENTS Cost, $45,000
OAKLAND, Alameda Co., Cal.
Four-story frame and plaster apartments (12 2 and 4-room apts.)
Owner—Withheld.
Architect—E. G. Bangs, 502 1st Nat'l. Bank Bldg., San Francisco.

APARTMENTS Cost, $32,500
SAN FRANCISCO. SW Leavenworth and Vallejo Streets.
Three-story and basement frame (12) apartments.
Owner—Michael Dempniak, 355 Octavia St., San Francisco.

Contract Awarded.
APARTMENTS Cost, $42,456
OAKLAND, Alameda Co., Cal. Bellvue Avenue.
Three-story frame apartments.
Owner—Mr. H. G. Hill, First National Bank Bldg., Oakland.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor—Tnos. Cuthbertson, 1766 12th Ave., San Francisco.

Plans Complete.
APARTMENTS Cost, $400,000
LOS ANGELES, Cal. E Benton Blvd. near Seventh St.
Seven-story and basement Class "A" reinforced concrete apartment house (36 apts. of 2 to 5 rooms each).
Owner—Franklin Harper, 610 S-Westlake Ave., Los Angeles.
Architect—E. J. Borgmeyer, 114 Stimson Bldg., Los Angeles.

Segregated Figures Being Taken.
APARTMENTS Cost, $125,000
SAN FRANCISCO. SE Bush and Taylor Streets
Six-story Class "A" apartment house, 87-6x137-6 (49 2, 3 and 4-room apts.)
Owner—A. Penziner, 745 Baker St., San Francisco.
Architects—A. Penziner and E. H. Denke, 1317 Hyde St., San Francisco.
NOTE:—Figures are being taken for all parts of the work except carpentry which, will be done by days labor.

## BANKS.

Plans Being Prepared.
BANK Cost, $15,000
SELAH, Washington.
One-story brick and terra cotta bank.
Owner—Selah State Bank.
Architect—W. W. De Veaux, Yakima, Washington.
BANK AND OFFICE BLDG. Cost, $40,000.
MELROSE, Alameda Co., Cal.
Two-story reinforced concrete bank and office building.
Owner—Bank of Italy.
Architect—Edw. T. Foulkes, Crocker Bldg., San Francisco.

Plumbing & Heating Contract Awarded
BANK BLDG. Cost, $70,000
RICHMOND, Contra Costa Co., Cal. Ninth Street and Macdonald Ave.
One-story reinforced concrete and terra cotta bank building.
Owner—Mechanics Bank, 8th and Macdonald Ave., Richmond.
Architect—Jas. T. Narbett, 906 Macdonald Ave., Richmond.
Carl Overaa, 731 Bissell, Richmond, has the contract for the concrete work at $14,880.
**Plumbing** awarded to Spiersch Bros., 25 Park Place, Richmond.
**Heating** to John I. Collins, Richmond.

Plans Being Prepared.
BANK BLDG. Cost, $25,000
TOMALES, Marin Co., Cal.
One-story reinforced concrete bank building.
Owner—Bank of Tomales.
Architect—J. W. Dolliver, 110 Sutter St., San Francisco.

Contract Awarded.
BANK BLDG. Cost, $——
TAFT, Kern Co., Cal.
Bank building.
Owner—The Citizen State Bank of Los Angeles.
Architects—Thos. B. Wiseman & Chas. H. Biggar, Morgan Bldg., Bakersfield, Cal.
Contractor—Haas-Strover Co.

## CHURCHES.

Preliminary Plans Being Prepared.
CHURCH Cost, $40,000
CLOVIS, Fresno Co., Cal.
Church building.
Owner—Danish Church of Clovis.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Plans Being Prepared.
CHURCH, ETC. Cost, $30,000
TRACY, San Joaquin Co., Cal. W Seventh Street.
Fireproof church and parsonage.
Owner—Methodist Episcopal Church of Tracy.
Architect—W. J. Wythe, Central Bank Bldg., Oakland.

Plans Being Figured.
CHURCH Cost, $40,000
STOCKTON, San Joaquin Co., Cal. Lindsay and American Streets.
Brick Church (500 seats).
Owner—Zion Lutheran Church (Rev. Geo. C. Jacobsen, Pastor).
Architects—Ward & Blohme, 454 California St., San Francisco.
NOTE:—Figures will be taken for a general contract.

## FACTORIES & WAREHOUSES.

LOS ANGELES, Cal.—Wurster Construction Co., 241 Wholesale Terminal Bldg., Seventh St., and Central Ave., Los Angeles, are preparing plans and will erect a new unit of the wholesale terminal warehouse buildings at Seventh street and Central avenue. It will be a seven-story structure, 100x550 ft. Reinforced concrete construction, flat slab system, steel sash, elevators, sprinkling system, steel rolling doors, etc. Actual construction will be started shortly.

FRESNO, Fresno Co., Cal.—Clark Morris of Seattle, representing a $3,000,000 rubber proposition is seeking the indorsement of the Chamber of Commerce for the building of a tire factory in Fresno in the event of $100,000 stock being locally contributed. The matter was referred to the industrial committee of the chamber.

WAREHOUSE Cost, $50,000
GRANDVIEW, Washington.
Two-story and basement concrete and hollow tile fruit warehouse and cold storage rooms.
Owner—Perham Fruit Co.
Architect—W. W. De Veaux, Yakima, Washington.

Contract Awarded.
MILK PLANT Cost, $12,260
MODESTO, Stanislaus Co., Cal.
One-story reinforced concrete powdered milk plant.
Owner—Milk Producers' of Central California, 510 9th St., Modesto.
Architect—W. J. Wright, Bank of Italy Bldg., Stockton.
Contractor—Totten & Trewhitt, 44 S-San Joaquin St., Stockton.

Contract Awarded.
WHARF Cost, $53,100
ALAMEDA, Cal. S Oakland Estuary 600 W Webster St., Bridge.
Wharf.
Owner—Standard Coal Co.
Engineer—W. E. Dodge, 36 Eucalyptus Road, Oakland.
Contractor—S. F. Bridge Co., Nevada Bank Bldg., San Francisco.

Plans to be Prepared. Site Purchased.
PACKING PLANT Cost, $50,000
NAPA, Napa Co., Cal. Jackson and Yajome Streets.
Number of reinforced concrete buildings for fruit packing plant.
Owner—Growers' Packing & Warehousing Association, Napa, Cal.
Architect—Not Given.

Contract Awarded.
FACTORY BLDGS. Cost, $——
RICHMOND, Contra Costa Co., Cal. 15th and Nevin Streets.
Five one-story frame factory buildings (shiplap siding).
Owner—Pacific Porcelain Ware Co., 67 New Montgomery St., San Francisco.
Designer & Contractor—The Foundation Co., Holbrook Bldg., San Francisco.
NOTE:—Figures will be taken for roofing shortly.

Plans Being Prepared.
ADDITION Cost, $20,000
SACRAMENTO, Cal. 19th and B Sts.
One-story interlocking tile addition to four-story reinforced concrete milk plant.
Owner—Northern California Milk Producers Association.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.

Low Bidder.
FACTORY Cost, $——
OAKLAND, Alameda Co., Cal. 20th St. near San Pablo Avenue.
Three-story reinforced concrete factory building.
Owner—California Peanut Co.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Low Bidder—Nelson & Forsyth, 351 12th St., Oakland.

RICHMOND, Contra Costa Co., Cal.—The Proctor & Gamble Co., Soap Manufacturers of Cincinnati, Ohio, has purchased a site in Richmond for a plant and shipping terminal on which the expenditure during the next two years will be between $2,000,000 and $3,000,000. The site was selected by A. E. Anderson, Manager of the Company.
The new plant will start with 500

hands, and 1000 will be employed in two years, according to plans. The company itself will spend about $250,000 at its site in harbor development, including filling and bulkheading.

The selection of a San Francisco bay site by this concern was announced by the San Francisco Chamber of Commerce a few weeks ago.

Sub-Figures Being Taken.
SHOP Cost, $30,000
SAN FRANCISCO. SE Folsom and Juniper Streets.
One-story steel, concrete and brick shop.
Owner—Kleiber & Co., Inc., 1480 Folsom St., San Francisco.
Engineer—R. tum Suden, 1480 Folsom St., San Francisco.

PETALUMA, Sonoma Co., Cal.—The Petaluma Co-operative Creamery Co., is planning to purchase additional land on which it is to erect additions to the present plant.

Figures to be Taken Next Week.
TANK SHOP Cost, $50,000
SOUTH SAN FRANCISCO. (Bay Shore Yards).
One-story frame and corrugated iron tank shop.
Owner—Southern Pacific Company.
Architect—Engineering Department. Mr. Christie in charge), S. P. Bldg., 65 Market St., San Francisco.

TURLOCK, Stanislaus Co., Cal.—Efforts are being made by the Board of Trade to secure for this city a modern ice plant. The Board of Trade of which J. V. Baker is President, is co-operating with D. Mahaffy of the Turlock Merchants & Growers, Inc., and D. F. Lane of the Westfall-Lane Company in having such a plant erected.

June 11, 1920.

Plans Being Prepared.
WAREHOUSE Cost, $60,000
OAKLAND, Alameda Co., Cal. First and Market Streets.
One-story frame and asbestos protected warehouse, 100x200.
Owner—Howard & Co.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

To be Done by Day's Work.
CANNERY Cost, $10,000
MONTEREY, Monterey Co., Cal.
Two-story frame fish cannery (concrete floors).
Owner—The California Fish Canning Co., Santa Cruz, Cal.
Architect—Owner.

MODESTO, Stanislaus Co., Cal.—The erection of a $35,000 cold storage plant in this city is planned by the Stanislaus County Farm Bureau of which George H. Sawyer is President. The construction details are being handled by Director U. S. Darrah.

## FIREHOUSES AND JAILS.

Plans Being Prepared.
ENGINE HOUSE Cost, $40,000
SACRAMENTO, Cal. Second Street Bet. K and L Streets.
Fireproof fire engine house.
Owner—City of Sacramento. M. J. Desmond, City Clerk.
Architect—Frank C. Miller, City Engineer, City Hall, Sacramento.

Revised Plans Being Prepared.
ENGINE HOUSE Cost, $15,000
FRESNO, Fresno Co., Cal.
Fire engine house.
Owner—City of Fresno, Chos. Dillon, City Clerk.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
(32808) 1st report Jan 16; 5th Apr. 21,

## GARAGES.

GARAGE Cost, $38,000
SAN FRANCISCO. NW Hyde and Russell Streets.
Three-story and basement Class "B" garage.
Owner—Micheletti Estate.
Lessee—Ruben Hoyle.
Supervising Architect—August G. Headman, Call Bldg., San Francisco
Contractor—American Concrete Co., Humboldt Bk. Bldg., San Francisco

Plans Being Figured.
GARAGE, ETC. Cost, $30,000
FRESNO, Fresno Co., Cal. South Broadway.
One-story concrete and tile garage and auto sales rooms.
Owner—Devaux Motor Car Co.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.

Contract Awarded.
GARAGE, ETC. Cost, $31,000
FRESNO, Fresno Co., Cal. South Broadway.
One-story and mezzanine reinforced concrete and hollow tile auto sales room and garage.
Owner—D. W. De Vaux Motor Car Co., Fresno, Cal.
Architects—Coates & Traver, Rowell Bldg., Fresno.
Contractor—A. Allen, 259 Blackstone St., Fresno.

## GOVERNMENT WORK AND SUPPLIES.

WASHINGTON, D. C.—Bids will be received by the Bureau of Supplies and Accounts, Navy Department, Washington, D. C., for furnishing and delivering materials under the following schedules, the date of opening bids is noted at end of each paragraph.

Schedule 6228, for Mare Island, a miscellaneous quantity of resistence wire opening of June 22.

Schedule 6235, for various eastern and western yards, a miscellaneous quantity of abrasive wheels, opening of June 25th.

Schedule 6239, for various eastern and western yards, a miscellaneous quantity of coke, opening of June 22nd.

Schedule 6242, for various eastern and western yards, a miscellaneous quantity of calcium carbide, opening of June 25th.

Schedule 6247, for various eastern and western yards, a miscellaneous quantity of rubber gaskets, opening of June 25th.

Schedule 6266, for Mare Island, a miscellaneous quantity of sand, stone and gravel, opening of June 25th.

Schedule 6279, for Mare Island, 1 escalator, opening of June 29th.

Schedule 6284, for various eastern and western yards, a miscellaneous quantity of padlocks, opening of June 25th.

Schedule 6294, for Puget Sound, a miscellaneous quantity of tiles, opening of June 29th.
electric insulators, opening of June 25th.

Schedule 6301, f. o .b., a miscellaneous quantity of furniture, opening of June 25th.

Schedule 6302, for various eastern and western yards, a miscellaneous quantity of carpets and rugs, opening of June 25th.

Schedule 6311, for various eastern and western yards, a miscellaneous quantity of cutting compound and oils, opening of June 25th.

Schedule 6326, f. o. b., 4 motor-driven compressors, opening June 15th.

Schedule 6329, for various eastern and western yards, a miscellaneous quantity of magnesia pipe covering, magnesia blocks, asbestos fibre felting, millboard, paper, plaster and packing and magnesia plastic cement, opening of June 29th.

Schedule 6330, for various eastern and western yards, a miscellaneous quantity of cotton and rubber insulating tape, opening of June 25th.

Schedule 6331, for various eastern and western yards, a miscellaneous quantity of spark plugs, opening of June 25th.

Schedule 6333, for Mare Island, 45,000 lbs. steel, opening of June 29th.

Schedule 6339, for various eastern and western yards, a miscellaneous quantity of motor generator sets and spares, opening of June 29th.

Schedule 6343, for various eastern and western yards, a miscellaneous quantity of dry cells, opening of June 25th.

Schedule 6353, f. o. b., 40,000 ignition fuses, opening of June 18th.

Schedule 6354, for Mare Island, 1,700 pounds brass tubing, opening of June 18th.

PUGET SOUND, Wash.—The following bids were received at the Puget Sound Navy Yard May 28, specification 4186, for steel storage building:

Item 1, complete; 2, add for plastering outside of hollow tile walls; 3, deduction per bay omitted; 4, complete, with modifications; 5, deduct from item 1 for omission of entire east wall.

W. T. Butler, item 1, $79,900, 210 days 2, $1,010, 15 days; 3, $4,990; 4, $84,900, 180 days; 5, $1,500.

A. W. Quist Co., item 1, $89,839, 150 days.

Puget Sound Bridge & Dredging Co., item 1, $90,000, 300 days.

The bids have been referred to Washington for approval.

SAN FRANCISCO—Up to June 18th, 10 A. M., bids will be received by the Zone Supply Officer, Fort Mason, under Proposal No. 20341 for furnishing and delivering wire rope, 1400 lbs. twine, 15,000 ft. pothead wire, 2,000 porcelain cleats, 2,039 bronze buttons for service caps, and 500 steam-tight globes.

## HALLS & SOCIETY BUILDINGS

THEATRE & LODGE BLDG.
Cost, $70,000.
STOCKTON, San Joaquin Co., Cal. S-Hunter Street bet. Market and Main Streets.
Three-story Class "C" motion picture theatre and lodge building.
Owner—I. O. O. F.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
NOTE:—Figures are being taken for a general contract, except heating and ventilating, for which separate figures are being taken.
San Francisco contractors are invited to bid.

ALTERATIONS Cost, $——
SAN FRANCISCO. Valencia and McCoppin Streets (Knights of Pythias Building).
Alter four-story brick and steel building.
Owner—Salvation Army.
Architect—Norman R. Coulter, 46 Kearny St., San Francisco.
Schultz Constr. Co.....$13,250
W. D. Henderson..... 15,473
Frazier & Frazier..... 19,484
M. V. Yukicevich (omitting painting) ..... 12,990
The bid of the Schultz Constr. Co., 46 Kearny St., has been taken under advisement.

ALTERATIONS Cost, $20,000
OAKLAND, Cal. Twelfth and Harrison Streets.
Extensive alterations to one-story hall building (plumbing, wiring, interior finish, etc.)
Owner—Shriners' Temple.
Architect—Edward T. Foulkes, Crocker Bldg., San Francisco.
Plans will be ready for figures in about two weeks.

Contractors Revising Figures.
ADDITION Cost, $——
SAN FRANCISCO. N Post Street W of Mason Street.
Four-story Class "A" addition to club building.
Owner—Olympic Club, Post St., San Francisco.
Architect—John Baur, 251 Kearny St., and Lewis P. Hobart, Crocker Bldg San Francisco.
NOTE:—Figures have been taken from a selected list of contractors and are now being revised.

ALTERATIONS Cost, $3,000
BERKELEY, Alameda Co., Cal. Bancroft Way and Shattuck Ave.
Alter hall into lodge room.
Owner—Berkeley Masonic Temple Association.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
NOTE—Figures are being taken from the following contractors: Walter Sorensen, 3219 Ellis St., Berkeley, and Harry Smith, 803 Kirkham St., Oakland.

Figures to be Called for in About a Week.
LODGE BLDG. Cost, $75,000
TURLOCK, Stanislaus Co., Cal.
Two-story brick and terra cotta lodge building.
Owner—Turlock Masonic Temple Ass'n.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans to be Prepared.
LODGE HALL Cost, $30,000
VALLEJO, Solano Co., Cal. In Business Section of City.
One-story and basement fireproof lodge hall.
Owner—Sciots Lodge of Vallejo, Vallejo, Cal.
Architect—Not Given.
NOTE:—Provision will be made in the plans for an additional story.

## HOSPITALS.

Bids Under Advisement.
HOSPITAL AND BOILER HOUSE Cost, $——.
PORTLAND, Ore.
Fireproof hospital and boiler house.
Owner—County of Multnomah.
Architects—Sutton & Whitney, Lewis Bldg., Portland, Oregon.
Following bids were received:
J. M. Dougan Co., Railway Exchange Bldg., Portland, $347,435 to complete in 160 days.
G. F. Atkinson, $409,914, 280 days.
Dinwiddie Constr. Co., $394,282, 280 days.
Grant Smith Co., $418,506, 270 days.
The main hospital building will be U-shaped with the main section 213 ft. long, varying in width from 46 to 50 feet. The two wings will be 100 feet long and four stories high while the main section will be five stories high. The boiler house will be equivalent to a three-story structure and will be 46 x100 ft. in dimensions.

## HOTELS.

Contract Awarded.
STORES AND HOTEL Cost, $75,000
PORTLAND, Ore. Broadway and Ankeny Streets.
Three-story brick stores and hotel, 50 x150.
Owner—G. D. Dunning.
Architects—Houghtaling & Dougan, Elks' Club Bldg., Portland.
Contractor—Oscar Wyman, Builders' Exchange, Portland.

HOTEL BUNGALOWS Cost, $127,500
LOS ANGELES, Cal. Wilshire Blvd. near Catalina Street.
Four one and two-story frame hotel bungalows.
Owner—California Hotel Co.
Architect—Myron Hunt, 1107 Hibernian Bldg., Los Angeles.
Contractor—H. P. Moran, 368 Pacific Elec. Bldg., Los Angeles.
The contract does not include plumbing, ice boxes, painting and decorating, papering, shades, electric wiring and fixtures, tile roof, mantels, wrought iron, marble and tile work. The electric wiring has been awarded to H. H. Walker, Hibernian Bldg., Los Angeles, and painting to D. Zelinsky & Sons, of San Francisco.

Plans Being Figured. Plumbing and Heating Contract Awarded.
HOTEL Cost, $300,000
WINNEMUCCA, Nevada.
Five-story brick hotel building (120 rooms, 90 bathrooms).
Owner—Hotel Humboldt Co.
Architect—F. L. DeLongchamps, Gazette Bldg., Reno, Nevada.
The plumbing and heating contract has been awarded to Wm. Wagner, 704 S-Virginia St., Reno, at $45,400.

## LIBRARIES.

Contract Awarded.
ALTERATIONS Cost, $10,000 approximately.
SAN FRANCISCO, W Valencia 145 S Army.
Alter two-story brick library building into clinic (interior partitions, painting, etc.).
Owner—St. Luke's Hospital, 27th and Valencia Sts., San Francisco.
Architect—Lewis P. Hobart, 1122 Crocker Bldg., San Francisco.
**General contract** to Geo. Healing, 110 Jessie St., San Francisco.
**Plumbing** to J. E. O'Mara, 445 Minna St., San Francisco.

## POWER PLANTS.

SAN FRANCISCO, S Stevenson 199 E Second Street.
One-story concrete and steel power house.
Owner—United Railroads of San Francisco, 58 Sutter St., San Francisco.
Architect—C. B. Farlow, 58 Sutter St., San Francisco.
Contractor—Chadwick & Sykes, Crocker Bldg., San Francisco.

## PUBLIC BUILDINGS.

SAN FRANCISCO—John Reid, Jr., City Architect, estimates the rearrangement of the freight elevator in the Civic Auditorium for passenger service at $693. The work will necessitate the installation of new grille car on platform, adjusting and repairing in main floor landings at basement, first, second, third and fourth floors, installation of car lighting, etc.
The estimate was prepared at the request of Edw. Rainey, Secretary to the Mayor.

Contract Awarded. Excavation Started
NATATORIUM BLDG. Cost, $15,000
VISALIA, Tulare Co., Cal. East of Hyde Park.
Natatorium building, landscape work, etc.
Owner—R. F. Cross, R. E. Hyde et al., Visalia, Cal.
Engineers & Contractors—Wallace & Bush, Bank of San Jose Bldg., San Jose.

Plans Being Figured. Bids Close June 28th, 12 M.
NATATORIUM BLDG. Cost, $——
BAKER, Oregon.
Two-story reinforced concrete and brick natatorium, 198x113.
Owner—City of Baker. J. R. Smurthwaite, City Clerk.
Architect—M. P. White, Baker, Ore.
The swimming tank will be 45x112 ft. in size with the second floor used for a balcony and a section 60x100 ft. to be the auditorium. Provision is made for 125 locker rooms with shower and lounging rooms.
Separate proposals will be received for the general work, heating, ventilating, plumbing and electrical work. One provision of the contract is that the city will purchase the brick. Alternate figures will also be received for metal windows.

Bids Under Advisement.
TEMPORARY BLDG. Cost, $—
VALLEJO, Solano Co., Cal. Marin St.
Temporary building for City Engineer's Office.
Owner—City of Vallejo, Alf. E. Edgcumbe, City Clerk.
Engineer—T. D. Kilkenny, Vallejo, Cal.
Bids received follow:
S. H. Averill, $1,525; Miller & Cassidy, $1,436; J. P. Fuller, $1,473.30.
The bids were considered excessive by the City Council, and it was decided to postpone action for a few days.

Contract Awarded.
COURT HOUSE Cost, $204,664
RED BLUFF, Tehama Co., Cal.
Two-story concrete and interlocking tile Court House.
Owner—Tehama County.
Architects—Geo. C. Sellon & Co., Mitau Bldg., Sacramento.
Contractor—The Mathews Constr. Co., Forum Bldg., Sacramento.

## RESIDENCES.

RESIDENCE Cost, $12,000
SAN FRANCISCO. Sunset District.
Two-story frame and plaster residence (6 rooms).
Owner—Withheld.
Architect—E. G. Bangs, 502 1st Nat'l. Bank Bldg., San Francisco.

DWELLINGS Cost, $15,000 each
OAKLAND, Alameda Co., Cal. N Ashmount Ave 75 W Mandana Blvd. & N Ardmore Ave 575 W Mandana Blvd.
Two 2-story 10-room frame dwellings.
Owner—Wickham Havens.
Architects—Hutchinson & Mills, Syndicate Bldg., Oakland.
Contractor—Edwin C. Graff, 355 12th St., Oakland.

Contract Award.
RESIDENCE Cost, $26,565
MARYSVILLE, Yuba Co., Cal.
Two-story frame and stucco residence.
Owner—Patrick Guerin.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico, Calif.
Contractor—L. E. Hite, Marysville, Calif.

Other bidder were: McDaniels & Burroughs, $29,000; Jos. A. McCullough, $27,725; J. O. Palm, $27,350; C. W. Marders, $27,500.

RESIDENCES Cost, $5,000 and $5,500 each.
SAN MATEO, San Mateo Co., Cal. Easton Addition.
Six one-story frame residence (5 and 6 rooms and separate garage each)
Owner—Withheld.
Architect—Fabre & Thayer, 110 Sutter St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $40,000
SAN FRANCISCO. N Broadway 172-6 E Burbank Street.
Three-story and basement frame residence.
Owner—Mrs. Vernon Skewes-Cox, 350 California St., San Francisco.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.

Being Done By Days Labor.
RESIDENCE Cost, $——
BURLINGAME, San Mateo Co., Cal.
One-story frame residence (6 rooms).
Owner—Ernest Norberg.
Architect—Capt. Ernest Norberg, 742 Market St., San Francisco.

Sub-Figures Being Taken.
RESIDENCE Cost, $300,000
PEBBLE BEACH, Monterey Co., Cal. 40 Acres.
Stone and plaster residence, garage, lodge, swimming pool, landscaping, etc.
Owner—James Shewan, New York.
Architect—Chas. I. Berg, New York.
Contractor—W. C. Duncan Co., Sharon Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $12,750
SAN FRANCISCO. Westwood Drive near Miramar Avenue.
Two-story frame residence and garage (9 rooms and 2 bathrooms).
Owner—Harold K. Weidenfeld.
Architect—Chas. F. Strothoff, 2276 15th St., San Francisco.
Contractor—Nelson Bros., 1875 Plymouth Ave., San Francisco.

Contract Awarded.
BUNGALOW Cost, $12,000
YOLANDA, Marin Co., Cal. Tamal Park
One-story and basement frame bungalow and garage(6 rooms and sleeping porches).
Owner—Mr. Rutherford, Petaluma, Cal.
Architect—Not Given.
Contractor—Kent-Roamer Bldg. Co., San Anselmo, Cal.
NOTE:—Construction will start in about a week.

Contract Awarded.
RESIDENCE Cost, $7,500
SAN FRANCISCO. Lake Street, bet. 12th and 13th Avenues.
One-story and basement frame and stucco residence and garage (6 rooms).
Owner—Miss Edith I. Wilson.
Architect—B. G. McDougall, 301 Alta Bldg., 381 Bush St., San Francisco.
Contractor—Branch & Coffer, Mills Bldg., San Francisco.

Contract Awarded.
BUNGALOWS Cost, $——
SAN ANSELMO, Marin Co., Cal. Hawthorne Hills.
Fifteen one-story frame bungalows (11 now under construction).
Owner—Kent-Minto Co., San Anselmo, Cal.
Contractor—Kent-Roamer Bldg., Co., San Anselmo, Cal.

Plans Being Prepared.
RESIDENCE AND GARAGE Cost, $30,000.
PIEDMONT, Alameda Co., Cal.
Two-story frame and stucco residence and garage (tile roof).

Owner—Chas. G. Keeney, 38 Crocker Ave., Piedmont.
Architects—Weeks & Day, Phelan Bldg., San Francisco.

Plans Being Figured.
DWELLINGS Cost, $——
BOLINAS, Marin Co., Cal. Bolinas and Marshall.
Six frame dwellings.
Owner—Marconi Wireless Tel. Co., 433 California St., San Francisco.
Architect—Architectural Dept. of Owner.
Three buildings will be erected at Bolinas and 3 at Marshall, also known as Marconi.

Owner Taking Figures.
RESIDENCE, ETC. Cost, $7,500
DIABLO, Contra Costa Co., Cal. Mt. Diablo Park.
Two-story frame residence and garage (9 rooms and 3 bathrooms), crushed brick roof.
Owner—W. A. Hale, 1345 Arch St., Berkeley.
Architect—A. A. Cantin, 68 Post St., San Francisco.

Owner to Take Figures.
RESIDENCE Cost, $——
OAKLAND, Alameda Co., Cal. Lenox and Van Buren Streets.
Two-story frame residence.
Owner—D. J. Hanlon, Care Hanlon Dry Dock & Ship Bldg., Co., Oakland.
Architect—N. W. Sexton, 234 Pine St., Oakland.

Owner Taking Figures.
RESIDENCE Cost, $20,000
PIEDMONT, Alameda Co., Cal.
Two-story frame residence and garage (9 rooms).
Owner—Warren Harold, 297 Lee St., Oakland.
Architects—Sidney B. and Noble Newson, Nevada Bank Bldg., San Francisco.

Plans Complete.
RESIDENCE Cost, $15,000
SAN JOSE, Santa Clara Co., Cal.
Two-story frame residence.
Owner—Mrs. J. L. Gould, Mt. Eden.
Architect—Warren Skillings, Garden City Bank Bldg., San Jose.

Plans Being Figured.
RESIDENCE & GARAGE Cost, $18,000
SAN JOSE, Santa Clara Co., Cal. Morrison Ave. and The Alameda.
Two-story frame and plaster residence and garage (8 rooms).
Owner—Warren Pomeroy, 540 S-Ninth St., San Jose.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.

Preliminary Plans Being Prepared.
RESIDENCE Cost, $——
OAK KNOLL, Los Angeles Co., Cal.
Two-story and basement concrete and hollow tile residence (15 rooms, billiard room and 6 bathrooms).
Owner—F. W. Leistikow.
Architect—Carleton M. Winslow, 1134 Van Nuys Bldg., Los Angeles.

To be Done by Day's Work.
STORE AND OFFICE BLDG. Cost, $—
TAFT, Kern Co., Cal. Fifth and North Streets.
Two-story frame and plaster store and office building (2 stores and 13 offices).
Owner—Sam Orloff.
Architects—Thos. B. Wiseman and Chas. H. Biggar, Morgan Bldg., Bakersfield, Cal.

## SCHOOLS.

SANTA ROSA, Sonoma Co., Cal.—An election will be held in the Dunham School District June 28th, to decide the question of issuing bonds of $9,000 to making alterations and additions to the present school building.

SALINAS, Monterey Co., Cal.—The $150,00 additional bonds to finance construction of the Salinas Union High School building have been sold. The proceeds of the sale will finance construction of a portion of the new high school now under construction from plans prepared by Architects Wyckoff & Wwite of Salinas. McLaren & Peterson, Sharon Building, San Francisco, have the contract.

LOS ANGELES, Cal.—The K. R. Bradley Co., 1925 E. 16th St., has been awarded the general contract at $130,-086 for the erection of a new one and two-story brick school building on East 7th St. school site; Allison & Allison, 1405 Hibernian Bldg., architects. J. Hokom, 4312 Moneta Ave., was awarded the contract at $12,953 for the plumbing, and the Thos. Haverty Co., 8th and Maple Ave., the contract at $12,585 for the heating work.

Preliminary Plans Being Prepared.
SCHOOL Cost, $24,000
YUBA CITY, Sutter Co., Calif.
One-story school (3 classrooms, assembly hall, kitchen and store room.
Owner—Tierra Buena School District.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico, Calif.
NOTE—An election to vote bonds to finance construction will be called in the immediate future.

YAKIMA, Washington.
Two-story brick and concrete additions to Garfield School (4 rooms).
Owner—City of Yakima, School District No. 7.
Architect—W. W. De Veaux, Yakima, Washington.

PROSSER, Washington.
Two-story brick school (4 rooms and gymnasium).
Owner—City of Prosser.
Architects—W. W. De Veaux and Heath, Gove & Bell, Associated, Tacoma and Yakima, Wash.

SCHOOL Cost, $150,000
YAKIMA, Washington.
Two-story and basement brick and terra cotta school (14 rooms and gymnasium.)
Owner—City of Yakima, School District No. 7.
Architect—W. W. De Veaux, Yakima, Washington.
Contractor—Harry Boyer Co., Yakima, Washington.

Contracts Awarded.
HEATING SYSTEM, ETC. Cost, $——
MONTEREY, Monterey Co., Cal.
Heating systems, program clocks, and window shades for two two-story concrete grammar schools.
Owner—Monterey Grammar School District.
Architects—Paul V. Tuttle and Arthur W. Angel, Associate, 565 Lighthouse Ave., Pacific Grove, Cal.
**Heating Plant for both buildings** to W. K. Nottingham & Co., at $4,555.55 and $2,633 respectively.
**Program Clock System** to Noggle Electric Works of Monterey at $1,-589.75.
**Drapery Shades** to Rucker-Fuller Desk Company.

Contract Awarded.
SCHOOL BLDGS. Cost, $29,038.08
TRACY, San Joaquin Co., Cal.
Two one-story brick and hollow tile school buildings.
Owner—Tracy Grammar School District.
Architect—W. J. Wright, Bank of Italy Bldg., Stockton.
Contractor—Totten & Trewhitt, 44 S-San Joaquin St., Stockton.

ORLAND, Glenn Co., Cal.—No bids were received by the County Supervisors for the purchase of the $10,000 bond issue of the Citrona School District and $22,000 issue of the Orland Joint Union High School District. Both issues bear 6% interest.
W. H. Weeks, 75 Post St., San Francisco, is the architect.

Plans Being Figured. Bids Close June 17, 1920, at 3:30 P. M.
ADDITION Cost, $15,000
OAKLAND, Alameda Co., Cal. Market and 54th Streets.
Class "C" addition to school.
Owner—City of Oakland.
Architect—Construction Dept. of Board of Education (C. W. Dickey in Charge), Everson Bldg., Oakland.
Plans may be obtained from Mr. Dickey's Office on a deposit of $25.00
Bids are being taken for a general contract including plumbing, heating and electric work and will be opened in Mr. Barzee's Office.

Plans Being Figured. Bids Close July 6, 1920, 2 P. M.
HIGH SCHOOL Cost, $225,000
FULLERTON, Orange Co., Cal.
Two-story and basement reinforced concrete high school.
Owner—Fullerton Union High School District.
Architect—Carlton M. Winslow, 1134 Van Nuys Bldg., Los Angeles.
(1) general work to include concrete, masonry, carpentry, metal work, roofing, tile floors, plastering, painting, electric wiring, grading and excavation; (2) heating and ventilating; (3) plumbing.

Plans Being Figured. Bids Close June 17, 1920, at 3:30 P. M.
ADDITION Cost, $22,000
OAKLAND, Alameda Co., Cal. Piedmont and Echo Avenues (Piedmont Avenue School).
Addition to school.
Owner—City of Oakland.
Architect—Construction Dept. of Board of Education (C. W. Dickey in Charge), Everson Bldg., Oakland.
Plans may be obtained from Mr. Dickey's Office on a deposit of $25.00
Bids are being taken for a general contract including plumbing, heating and electric work and will be opened in Mr. Barzee's Office.

REMODEL SCHOOL Cost, $——
BAKERSFIELD, Kern Co., Cal.
Remodeling and completion of old assembly hall in school building.
Owner—Fruitvale School District, Geo. A. McLean, Clerk.
Architect—J. M. Saffell, Bakersfield.
Separate bids will be received for the septic tank and ditch from same, also for sidewalk in front of building.
Plans may be had from the office of the architect.

VACAVILLE, Solano Co., Cal.—Preparations are being made to call an election to decide the question of issuing and selling bonds of $35,000 to finance construction of a gymnasium for the high school.

CHICO, Butte Co., Cal.—Two bids were received by the Trustees of the Chico Union High School District for furnishing and installing hardware in the new Chico High School as follows: Sherrick Smith Hardware Co., Sacramento, $5,218.75 and Nicholas Hardware Co., $8,000. Contract was awarded to the low bidder.
Plans were prepared by Architects Woollett & Lamb, Hagelstein Bldg., Sacramento.

SANTA CLARA, Santa Clara Co., Cal.—The Board of Education has commissioned Architect W. H. Weeks, 75 Post St., San Francisco, to make a study of the present school buildings. The Board contemplates a bond election to finance additional improvements including a new high school, altering the present one, and remodeling and adding to the grammar school. It is estimated such improvements will cost $200,000.

Plans Being Prepared.
ADDITION Cost, $10,000
SHAFTER, Kern Co., Cal. Maple School District, bet. Shafter and Wasco.
Two-room addition to school.
Owner—Maple School District.
Architects—Thos. B. Wiseman and Chas. H. Biggar, Morgan Bldg., Bakersfield, Cal.
NOTE:—Bonds have been voted.

Plans Being Figured. Bids Close June 30, 1 P. M.
PAINTING SCHOOL Cost, $——
GOSHEN, Tulare Co., Cal.
Painting the exterior and roof, varnishing the interior woodwork of two rooms, and tinting the walls of two rooms of the Goshen Grammar School Building.
Owner—Goshen Grammar School District. A. Ball, Clerk, Goshen, Cal.
Architect—Not Given.

FRESNO, Fresno Co., Cal.—The contract for reflooring the James Avenue bridge has been awarded by the County Supervisors to Jap. E. Mitchell, of Fresno at $5,712. D. M. Barnwell is County Clerk.

Plans to be Prepared.
ADDITION Cost, $——
PETALUMA, Sonoma Co., Cal.
Additional rooms for Washington and Lincoln Primary Schools.
Owner—City of Petaluma, Lyman Green, City Clerk.
Architect—Not Yet Selected.

Commissioned to Prepare Plans.
SCHOOL, ETC. Cost, $17,500
RIO BRAVO, Kern Co., Cal.
One-story one-room school, assembly hall and kitchen.
Owner—Rio Bravo School District.
Architects—Micheal & Hurlbutt, Bakersfield, Cal.

VISALIA, Tulare Co., Cal.—No bids were received by the County Supervisors for the purchase of the $10,000 bond issue of the Cutler School District. Proceeds of the sale were to finance construction of a new school building.

MARTINEZ, Contra Costa Co., Cal.—The $1,000 raised through popular subscription for a municipal swimming pool has been returned by the Martinez Playground Commission. It is now planned to call an election to vote bonds of $20,000 or $25,000 to finance construction of such a pool. A. S. Ormsby 's Chairman of the Commission

SAN PEDRO, Los Angeles Co., Cal.—Frank Hudson, 911 Higgins Bldg., Los Angeles, submitted the lowest bid at $98,000 for the erection of a brick school building at Pt. Firmin (San Pedro) school site, plans for which were prepared by Archts. Hunt & Burns, 701 Laughlin Bldg., Los Angeles. E. W. Crowell, 744 San Pedro St., Los Angeles, submitted the lowest bid at $6,657 on the plumbing, and the Thomas Haverty Co., 8th and Maple Ave., Los Angeles, the lowest bid at $6,500 on the heating. All bids were referred to business manager of the board of education.

Commissioned to Prepare Plans.
SCHOOL Cost, $125,000
ELK GROVE, Sacramento Co., Cal.
Fireproof high school building.
Owner—Elk Grove High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
NOTE:—Plans for the building under the first bond issue, which failed, were prepared by Architects Geo. C. Sellon & Co. of Sacramento.

SCHOOL Cost, $——
LEBEC, Kern Co., Cal. Pershing School District.
One-story adobe school.
Owner—Pershing School District.
Architects—Thos. B. Wiseman & Chas. H. Biggar, Morgan Bldg., Bakersfield, Cal.
Contractor—J. H. Rogers, Yancey, Cal.

Completing Plans. Figures to be Called For in Two Weeks.
SCHOOL Cost, $90,000
STOCKTON, San Joaquin Co., Cal.
Eight-room brick and frame addition to Fair Oaks School Building.
Owner—City of Stockton.
Architects—W. J. Wright & Satterlee, Bank of Italy Bldg., Stockton, Cal.
NOTE:—Segregated figures will be taken. All work will be under the supervision of Architects Davis, Heller, Pearce Co., Stockton, Cal.

Completing Plans. Figures to be Called For in Two Weeks.
SCHOOL Cost, $90,000
STOCKTON, San Joaquin Co., Cal.
Grant School Site.
Eight-room brick, concrete and frame school (1st unit of 16-room school).
Owner—City of Stockton.
Architect—Franklyn E. Warner, Belding Bldg., Stockton.
Supt. of Construction—Davis, Heller & Pearce, Belding Bldg., Stockton.
NOTE:—Segregated figures will be taken.

HANFORD, Kings Co., Cal.—The following bids were received on June 11th, by J. A. Crawshaw, Clerk of the Hanford School District, for the construction of a one-story reinforced concrete and brick school building. All bids were taken under advisement.
Plans were prepared by Designer J. R. Henderson of Tulare.
The bids were taken on four propositions as follows: (1) building complete; (2) building complete, except heating and plumbing; (3) heating; (4) plumbing.

**Building Complete.**

| | |
|---|---|
| Brown & Denham, Hanford | $78,775 |
| Larsen-Sampson Co., S. F. | 79,503 |
| H. T. Knerr, Los Angeles | 84,973 |
| Anton Johnson, Kingsburg | 86,000 |

**Building Complete, Except Heating and Plumbing.**

| | |
|---|---|
| Barkelow & Gould, Tulare | $57,850 |
| Brown & Denham, Hanford | 59,211 |
| H. T. Knerr, Los Angeles | 63,198 |
| Anton Johnson, Kingsburg | 68,000 |

**Plumbing.**

| | |
|---|---|
| Derry & Ford | $8,204.75 |
| Place & Palmquist | 6,995.00 |
| Horlock & Clow | 6,407.00 |

**Heating.**

| | |
|---|---|
| Place & Palmquist | $12,564 |
| Bay Engineering Co., S. F. | 10,447 |
| Horlock & Clow | 10,574 |

SUNNYVALE, Santa Clara Co., Cal.—The following bids were received June 9th by the Trustees of the Sunnyvale Grammar School District for the construction of a one-story reinforced concrete five-room school building from plans prepared by Architect Ernest L. Norberg, 742 Market Street, San Francisco. Bids for the general contract were taken under advisement and the contract, will in all probability, be awarded to the lowest bidder. The bids for the plumbing and heating were rejected and new ones will be called for shortly.

**General Contract.**

| | |
|---|---|
| Beck & Stickle, South San Francisco | $39,080 |
| E. J. Bryan | 39,587 |
| — Sprecn, Sunnyvale | 41,651 |
| E. E. Etherton, San Francisco | 42,076 |
| John Harkness, Redwood City | 44,838 |
| Bos & O'Brien, San Francisco | 51,616 |

**Plumbing and Heating.**

| | |
|---|---|
| Christensen & Henderson | $11,252 |
| — Osborn | 12,572 |

LINDSAY, Tulare Co., Cal.—Bonds of $125,000 have been voted in the Lindsay High School District to finance construction of a group of high school buildings, plans for which are being completed by Architect Ernest J. Kump, Rowell Bldg., Fresno.

HANFORD, Kings Co., Cal.—The Supervisors sold the $46,000 bond issue of the Corcoran School District, proceeds of the sale to finance construction of a new school, building from plans by Architect M. P. Renfro of Porterville.

HOLLISTER, San Benito Co., Cal.—The Supervisors have issued calls for bids for the purchase of the following school bond issues, proceeds of the sale, in each case, to finance construction of school improvements:

| | |
|---|---|
| Hollister District | $110,000 |
| Fairhaven District | 10,000 |
| Cottonwood District | 3,000 |

Plans to be Finally Approved and Bids Called For Next Week.
SCHOOL Cost, $40,000
BERKELEY, Alameda Co., Cal. Sacramento and Rose Streets.
One-story frame grammar school.
Owner—Berkeley Board of Education.
Architect—H. H. Gutterson, 278 Post St., San Francisco.
(34228) 1st report Apr. 1; 2nd Apr. 29,

Plans Being Prepared.
ADDITION Cost, $18,000
NORTH SACRAMENTO, Cal.
One-story 2-room addition to school (frame and stucco).
Owner—North Sacramento School District.
Architect—E. C. Hemmings, Ochsner Bldg., Sacramento.

SAN FRANCISCO.—The Board of Public Works has rescinded its action in awarding contracts to A. Lettich for the heating and ventilating and plumbing on the Grant School Building and new bids have been ordered received for the work up to June 23rd. For the heating and ventilating Lettich submitted a bid of $10,961 and for plumbing $10,934.
On June 23rd bids will also be considered by the Board of Public Works for the following units of the Grant School:
Electric work, Estimate cost, $11,000; bond fixed at $2,750.
Brick work, Estimate cost, $16,000; bond fixed at $4,000.
Interior and exterior plastering, Estimate cost, $18,000; bond fixed at $4,500.
Blackboards, Estimate cost, $2,000; bond fixed at $500.
Marble work, Estimate cost, $4,800; bond fixed at $1,200.
Roofing, Estimate cost, $4,000; bond fixed at $1,000.
Hardware, Estimate cost, $4,800; bond fixed at $1,200.
Glass, Estimate cost, $3,400; bond fixed at $850.
The building will be erected in the North side of Pacific St., between Broderick and Baker.
Plans may be had from the Bureau of Architecture, 2nd Floor, City Hall.

Plans Being Figured.
ADDITION Cost, $——
RUTHERFORD, Napa Co., Cal.
Addition to present school building.
Owner—Rutherford School District, A. Brovelli, Clerk, Rutherford, Cal.
Architect—Not Given.
Plans may be had from the Clerk at Rutherford.

LOS ANGELES, Cal.—Bonds of $9,500,000 to finance construction of new schools and improving standing structures carrier at a recent election. Of the total the Board of Education plans to spend $6,000,000 for new elementary schools and $3,500,000 for high school buildings, to overcome existing crowded conditions.

SACRAMENTO, Cal.—The Board of Supervisors has authorized the sale of the $144,000 elementary school bonds and $648,000 high school bonds of the City of Sacramento, over the counter owing to the failure to receive bids for same. Similar action was taken with regard to the $110,000 issue of the Courtland Union High School District.

Plnas Being Prepared.
MANUAL TRAINING BLDG., ETC.
Cost, $10,000.
HOLLISTER, San Benito Co., Cal. Monterey Street.
One-story frame manual training and domestic science building.
Owner—Hollister High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.

Plans to be Finally Approved and Bids Called For Next Week.
GYMNASIUM Cost, $185,000
BERKELEY, Alameda Co., Cal. Block Bounded by Grove, Milvia, Bancroft and Channing Way.
Two-story hollow tile and reinforced concrete gymnasium building.
Owner—City of Berkeley.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

Plans Being Figured. Bids Close July 1, 1920, 8 P. M.
SCHOOL Cost, $42,000
ORLAND, Glenn Co., Cal.
Two-story reinforced concrete and frame grammar school (5 rooms).
Owner—Orland Grammar School District.
Architect—Woollett & Lamb, Physicians Bldg., Sacramento.

STOCKTON, San Joaquin Co., Cal.—Bids are being received by the County Supervisors for the purchase of the $18,500 bond issue of the Ripon School District. Proceeds of the sale will finance construction of a new school building.

## STORES AND OFFICES.

STORE & OFFICE BLDG. Cost, $60,000
TURLOCK, Stanislaus Co., Cal.
Two-story brick store and office building.
Owner—Chas. Geer, Turlock, Cal.
Architect—W. H. Weeks, 75 Post St., San Francisco.
NOTE:—Figures are being taken for a general contract.

STORE & LOFT BLDG. Cost, $35,000
SAN FRANCISCO. Eddy St. near Jones Street.
Two-story Class "C" store and loft building.
Owner—Withheld.
Architects—L. M. Upton and Milton Latham, 545 Montgomery St., San Francisco.

Working Drawings Being Prepared.
THEATRE AND OFFICE BLDG. Cost, $1,500,000.
LOS ANGELES, Cal. SW Seventh and Broadway.
Twelve-story Class "A" theatre and office building.
Owner—Loew Corporation.
Architects—Weeks & Day and Reid Bros., Associated, 105 Montgomery St., San Francisco.

Plans Being Prepared.
OFFICE BUILDING Cost, $100,000
SOUTH SAN FRANCISCO, San Mateo Ca., Cal.
Two-story and basement reinforced concrete office building.
Owner—Pacific Coast Steel Co.
Architects—Weeks & Day, Phelan Bldg., San Francisco.

Plans Being Prepared.
OFFICE BLDG. Cost, $——
SAN FRANCISCO. Bush Street near Montgomery.
One and four-story Class "A" office building.
Owner—California Pacific Insurance Company.
Architect—Horace G. Simpson, 110 Sutter St., San Francisco.

SAN FRANCISCO—The Lindgren Co., Monadnock Bldg., are taking estimates for the terra cotta work in connection with the construction of Don Lee's auto sales building, for which they are the contractors.

It will be erected on the northeast corner of Van Ness avenue and O'Farrell street and will be seven stories high of reinforced concrete construction. Weeks & Day, Phelan Bldg., are the architects.

STORE AND LOFT BUILDING Cost, $275,000 approximately.
SAN FRANCISCO. NE First and Mission Streets.
Five-story and basement reinforced concrete wholesale building.
Owner—C. C. Moore & Co., Sheldon Bldg., San Francisco.
Architect—Frederick H. Meyer, 742 Market St., San Francisco.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.
The occupants of the building will be Clayberg Bros., Lazare-Klein Company and Bauer Brothers.

STORE AND OFFICE BLDG. Cost, $10,000.
SANTA ROSA, Sonoma Co., Cal.
One-story reinforced concrete store and office building.
Owner—Pacific Gas & Electric Co.
Architect—J. W. Dolliver, Rm. 418 110, Sutter St., San Francisco.

Contract Awarded.
RESIDENCE Cost, $80,000
LOS ANGELES, Cal. Los Feliz Road and Commonwealth Ave.
Hollow tile residence (15 rooms).
Owner—Maurice Tourneur.
Architects—P. & W. S. Davis and Henry E. Withey, 3215 W-6th St., Los Angeles.
Contractor—Garden City Co., 3215 W-6th St., Los Angeles.

Contract Awarded.
RESIDENCE Cost, $25,000
LOS ANGELES, Cal. No. 7301 Hollywood Blvd.
Two-story brick veneer residence.
Owner—Thos. McNamara, 1807 Highland Ave., Los Angeles.
Architect & Contractor—Milwaukee Bldg. Co., 315 Wright & Callender Bldg., Los Angeles.

Contract Awarded.
RESIDENCE Cost, $10,000
GILROY, Santa Clara Co., Cal.
One-story frame residence.
Owner—Joe Felice.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose.
Contractor—Louis Scaglione, 1357 Sherman St., San Jose.

Contract Awarded.
LOFT AND OFFICE BLDG. Cost, $80,000 approximately.
SAN FRANCISCO. N Post Street W of Mason Street.
Four-story reinforced concrete loft and office building, 40x137-6.
Owner—Olympic Club.
Lessee—Johns-Manville Co., Second and Howard Sts., San Francisco.
Architects—John Baur and Lewis P. Hobart (Associated), 251 Kearny St., & Crocker Bldg., San Francisco.
Contractor—McLeran & Peterson, Hearst Bldg., San Francisco.

Bids Rejected.
TEMPORARY OFFICE Cost, $——
VALLEJO, Solano Co., Cal. Marin St.
Temporary office quarters for City Engineer.
Owner—City of Vallejo, Alf. E. Edgcumbe, City Clerk.
Engineer—T. D. Kilkenny, Vallejo.
The low bid was submitted by Miller & Cassidy of Vallejo at $1,436 and was rejected.

Contract Awarded.
AUTO SALES BLDG., ETC. Cost, $28,900.
SAN JOSE, Santa Clara Co., Cal. SW Sixth and Santa Clara Streets.
Two-story brick and frame auto sales and garage building.
Owner—Campen Bros.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose, Cal.
Contractor—J. H. Miller, 101 S-Sixteenth St., San Jose.

Completing Plans. Segregated Figures to be Taken Shortly.
ADDITION Cost, $300,000
SAN FRANCISCO. NE Mission and New Montgomery Sts.
Three-story Class "A" addition to present two-story building for offices, also a one-story super-structure roof.
Owner—Aronson Co., Merchants' Exchange Bldg., San Francisco.
Architect—Mel. I. Schwartz, Nevada Bank Bldg., San Francisco.
Engineer—C. H. Snyder, 251 Kearny St., San Francisco.
Lessee—Associated Oil Co.
The building when completed will be practically six stories high. It will have a steel frame, 3-inch hollow tile interior partitions, marble stairs, and wainscot, terrazzo floors, metal window sash with wire glass, reinforced concrete roof, bronze elevator doors, 8 vaults, mahogany trim, etc.
The sixth floor will be used for a girl's rest room, sun porch, telephone and telegraph operator rooms, blue print and battery department.
The entire front of the present building will be altered and faced with tapestry pressed brick.
Entrance and lobby will be on New Montgomery street and the building will be known as "The Associated Oil Building."

## THEATRES.

Plans Being Prepared.
THEATRE AND LODGE BLDG. Cost, $75,000.
GILROY, Santa Clara Co., Cal.
Class "A" reinforced concrete motion picture theatre and lodge building.
Owner—Masonic Lodge of Gilroy.
Architect—Reid Bros., 105 Montgomery St., San Francisco.
This theatre has been leased to A. C. Blumenthal and his associates for a period of twenty years

Plans Being Prepared.
THEATRE AND OFFICE BLDG. Cost, $——
LONG BEACH, Cal. American and Bronco Avenues.
Three-story brick theatre and office building, 50x250.
Owner—Lineberger, Hite & Lineberger.
Architects—Walker & Eisen, 1402 Hibernian Bldg., Los Angeles.
Bids for the erection of the building will probably be taken next week.

Plans Being Prepared.
THEATRE Cost, $——
EL SEGUNDO, Los Angeles Co., Cal.
Two-story brick motion picture theatre, 50x150.
Owner—E. L. McMurry.
Architect—E. L. Mayberry, 469 Pacific Electric Bldg., Los Angeles.

Contract Awarded
MOTION PICTURE BLDG. Cost, $——
LOS ANGELES, Cal. NE Melrose Ave and Grover Street.
Frame motion picture building.
Owner—Robertson-Cole Studios, Inc., of Delaware.
Architect & Contractor—The Milwaukee Bldg., Co., 317 Wright & Callender Bldg., Los Angeles.
The plant will consist of a two-story administration building, 8 dark stages, dressing room building, shop and storage buildings, film buildings, equipment exchange, outbuildings, etc. Construction will be of frame and plaster with tile and composition roofing, staff, ornamentation, steel and wood frames, metal and wood lath, pine trim, power plant, plumbing, fire lines.

## HISTORY OF EALY SAN FRANCISCO

The California Development Board have for free distribution from their office in the Ferry building, a limited number of handsomely bound volumes of the early history of San Francisco and the Bay region. These sketches of our city's earliest days are cleverly woven together by E. J. Molera, in story form and through the sixty-eight pages, one sits charmed by the absorbing chain of epoch-making events, much more exciting than the ordinary fiction.

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# Engineering.

## BRIDGES, DAMS & HARBOR WORK.

WILLOWS, Glenn Co., Cal.—Up to July 1st, 10 A. M., bids will be received by W. H. Sale, County Clerk, for constructing a reinforced concrete bridge, known as the "Razor" bridge, in Road District No. 5.

Separate bids will be considered on the same date for constructing a reinforced concrete bridge, known as the "Havenor" bridge in Road District No. 1.

Certified check for 10% payable to Chairman of Board of Supervisors required. Plans on file at office of the County Clerk.

EL CENTRO, Imperial Co., Cal.—Geo. R. Daley, San Diego, was awarded the contract at about $50,000 for paving Lenroy St., Winsley Ave., North Fifth and Sixth Sts., his unit prices being 35c sq. ft. for asphalt paving, 21c sq. ft. for cement sidewalk, and 75c lin. ft. for cement curb.

PHOENIX, Ariz.—An election to vote on issuing bonds to construct the Horseshoe and Camp Verde dams on the Verde river will be held in the Paradise-Verde Valley Irrigation District soon.

FLORENCE, Ariz.—R. C. Sheedy Construction Co., 1493 E. Forty-second St., Los Angeles, Cal., was awarded the contract at $27,558.88 for constructing concrete bridge, culverts, headwalls and retaining walls on the Ray-Kelvin highway in Pinal County; bids opened June 1, 1920; W. W. Lane, County Highway Engineer. Other bids received were: B. B. Boyd, San Diego, Cal., $33,198.20; English & Pierce, Yuma, Ariz., $40,940.35; Jack Davey, Superior, Ariz., $45,914.65. Engineer's estimate, $28,839.28.

Work involves: 235.5 cu. yds. Class A concrete; 44.6 cu. yds. Class B concrete; 418.2 cu. yds. Class C concrete; 18,949 lbs. reinforcing steel; 870 cu. yds. cement rubble; 130 ft. 18-in. metal pipe; 176 ft. 24-in. metal pipe; 60 ft. 30-in. metal pipe; 180 ft. 36-in. metal pipe; 70 ft. 48-in. metal pipe; 420 cu. yds. excavation; 10,500 lbs. steel rails.

MADERA, Madera Co., Cal.—Chief Engineer T. H. Means of the Madera Irrigation District has started preliminary work for the proposed Madera Irrigation District system. A representative of the State Water Commission will assist Engineer Means.

MERCED, Merced Co., Cal.—Preliminary work on the Plainsburg Irrigation District is being completed by Engineers Olmsted & Gillelen of Los Angeles and a report will be submitted to the Directors within the next few months.

EUREKA, Humboldt Co., Cal.—Up to June 22nd, 10 A. M., bids will be received by Fred M. Kay, County Clerk, for repairing the steel bridge across the Mattole River near Petrolia, in Road District No. 1.

Plans on file in office of County Clerk.

SAN JOAQUIN, Fresno Co., Cal.—C. H. Laiblin of Manteca, was awarded the contract for constructing laterals for the James Irrigation District, involving about 178,000 cu. yds. earth work, at cost plus 2½c cu. yd. with guarantee that cost will not exceed 32c cu. yd. Bids received for this work ranged from 32c to 46c cu. yd., all being rejected. All bids for concrete work, approximately 2000 cu. yds. in gates, checks, turnouts, etc., ranging from $36 to $45 cu. yd., were rejected and this work will be done by the district by force account under the supervision of H. M. Crooker, San Joaquin, resident engineer. W. M. Hubbard, San Joaquin, will be superintendent of construction. The district will spend about $450,000 on improvements during the present year. Quinton, Code & Hill of Los Angeles, are the consulting engineers.

EUREKA, Humboldt Co., Cal.—City Engineer Hannah has commenced preliminary surveys for the construction Elk River for impounding the waters for the city water works. The new dam will be constructed just below the present wooden dam and will be completed this summer, according to the city engineer.

of a reinforced concrete dam across

Approximately 1,700 feet of the wooden stave water main leading from the old pumping station across the reclaimed land toward the city will be reinforced with concrete during the summer.

The cost of the work will be paid out of the revenues from the water works.

PORTLAND, Ore.—Louis C. Kelsey, Consulting Engineer with offices in Portland and also at Nampa, Ida., has been commissioned to prepare plans for numerous municipal projects enumerated as follows:

Surveys have been completed and plans are now being prepared for the water system to be built for the City of La Grande, Or. The cost is estimated at from $500,000 to $1,000,000 depending upon the source of supply.

The city of Burns, Oregon, has employed Kelsey to prepare plans and supervise the construction of a municipal lighting plant, the cost of which is not yet announced.

A sewerage system will also be constructed at Burns, plans for which are now being prepared by Mr. Kelsey.

The proposed water system to be built at Burns is also to be built from plans to be prepared by Mr. Kelsey. Further details of this work are to be given later.

The city of Lewiston, Idaho, has engaged Mr. Kelsey as consulting engineer in the construction of $200,000 city improvements to be principally pavment.

Proposed street improvements at Union, Oregon, estimated to cost $35,000 are to be done under the supervision of Mr. Kelsey and a sewer system to cost $150,000 at Jerome, Idaho, will also be constructed under his direction.

SAN JOSE, Santa Clara Co., Cal.—Up to July 6th, 10 A. M. bids will be received by Henry A. Pfister, County Clerk, for the construction of a four span reinforced concrete bridge on the Congress Springs road in Supervisor District No. 5. Plans may be had from the office of the County Clerk.

FRESNO, Fresno Co., Cal.—Up to June 18th, 2 P. M. bids will be received by D. M. Barnwell, County Clerk, for the construction of bridges on Route No. 1, Section C of the County Highway System. The work will consist of twenty-five bridges involving the following estimated quantities: 120 linear feet of 24-inch concrete pipe; 27.72 cu. yds of concrete; 236,218 board measure, Oregon Pine timbers; 16,550 linear feet, Cedar piling.

Jap E. Mitchell of Fresno submitted the only bid to the Supervisors under the last call which was rejected. The bid was $59,795.75.

Plans may be had from the office of County Highway Chris P. Jensen, Cory Bldg., Fresno.

PLACERVILLE, El Dorado Co., Cal.—A petition is being circulated for presentation to the County Supervisors asking the construction of a bridge across Webber Creek on the Big Cut road.

CLIFTON, Ariz.—C. B. Ragan was awarded the contract at $4375 for constructing a reinforced concrete bridge consisting of two 32-ft. girder spans across Railroad wash on the Clifton-Franklin highway, the state to furnish materials estimated to cost $3207.75. Cotey & Black submitted a bid at $7750 and Lee Moor Contracting Co. a bid at $8252.59 for the same type of bridge. The lowest bid received February 7 for steel bridge for the same location was $15,009.37. Thomas Maddock, State Engineer.

OROVILLE, Butte Co., Cal.—City Engineer S. J. Norris has been instructed to fix grades for Bridge street to permit the Western Pacific Railroad to complete details for the construction of its new bridge on that thoroughfare.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—Bids received by the County Supervisors for the construction of the San Miguel bridge have been rejected. Warren B. Burch is County Highway Engineer.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—County Highway Engineer Warren B. Burch has been instructed to prepare plans and specifications for a bridge to cross the Huer Huero Creek on the Paso Robles-Estrella road near Dwight Reynolds' place.

RED BLUFF, Tehama Co., Cal.—Beardwell & Zimmerman of Calistoga at $236,200 were awarded the contract by the County Supervisors for the construction of the Squaw Hill bridge over the Sacramento river between Corning and Vina. The estimate of Engineer John M. Leonard, 57 Post street, San Francisco, was $150,000; his estimates being based on the cost of materials at the time of completing plans.

The only other bidder was the Clinton Constr. Co., 140 Townsend St., San Francisco, at $277,500.

The San Francisco Bridge Co., in a letter to the Supervisors stated they did not submit a bid owing to the fact that they estimated construction at approximately $300,000 when only $150,000 was available. W. F. Lunning is County Engineer.

NEVADA CITY, Nevada Co., Cal.—The Nevada County Supervisors have approved plans prepared by the State Highway Commission for a concrete bridge to span the Middle Yuba River, on the highway above Freeman's Crossing, and have authorized the Commission to proceed with construction.

The Yuba County Supervisors, who will pay $10,000 toward construction of the structure, approved the plans last week.

MADERA, Madera Co., Cal.—Louis C. Hill of Los Angeles a member of the engineering firm of Quinton, Code and Hill of that city, has been selected by the Directors of the Madera Irrigation District to design plans for the proposed dam and in addition to this has been selected as consulting engineer to Chief Engineer Thos. H. Means. Preliminary surveys have already been completed.

Engineer Means maintains offices at 58 Sutter Street, San Francisco.

COLUSA, Colusa, Co., Cal.—The Colusa County Supervisors have requested the Sutter Board to bear half of the expense of constructing a pier into the river at Grimes, if the Grimes ferry is to land. The pier is necessary due to the low water in the Sacramento river.

SACRAMENTO, Cal.—The application of District No. 785, in Yolo County, to raise and widen its levee along the Sacramento River, has been set for hearing on June 18th, by the State Reclamation Board. According to the estimate of Asa G. Proctor, engineer of the district, the improvements will cost about $20,000. A clam shell dredge will be employed in the work.

STOCKTON, Stanislaus Co., Cal.—Supervisor E. A. Johnson of Stanislaus County has conferred with the San Joaquin County Supervisors asking their co-operation in financing the construction of a modern concrete bridge over the Stanislaus river at Riverbank. The cost would be about $50,000.

County Engineer F. E. Quail was instructed to work with the Stanislaus County Engineer to secure estimates for the work.

LONG BEACH, Los Angeles Co., Cal.—The City Commission contemplate calling an election to vote on issuing $1,500,000 bonds for harmor improvements. John D. Seerie, Commissioner of Public Works, favors widening channel No. 3 to 500 ft., and deepening that channel and turning basin to 30 ft., widening the turning basin and purchasing 1800 ft. water frontage for municipal warehouse purposes.

HARPER, Orange Co., Cal.—Until 4 P. M., June 29, bids will be received by directors of the Newport Heights Irrigation District at Harper, Orange Co., for furnishing all labor and material for constructing a circular reinforced concrete reservoir on 16th St., between Santa Ana and Orange Ave., near Harper. Certified check for 10% required. Plans and specifications may be obtained from J. B. Cleghorn, secretary, Harper, or Paul E. Kressly, engineer, city hall, Newport Beach.

BERKELEY, Alameda Co., Cal.—From plans prepared by B. F. Cresson, Jr., and Chas. W. Staniford, prominent New York Engineers, the California Investment Company, represented by Rufus P. Jennings, will undertake one of the most important harbor developments on the San Francisco bay. Plans provide for a system of channels and Wharves, of ship and rail terminals and the erection of sufficient warehousing to balance other improvements. The deal was handled through Wickham Havens, Inc.

YREKA, Siskiyou Co., Cal.—At the last meeting of the County Supervisors a resolution was adopted authorizing the state to construct a concrete bridge of 60-foot span over Willow creek and a similar bridge, the same length, over Parks creek, and a third concrete bridge over Shasta river, this to have an 80-foot span. These are all on the highway between Weed and Gazelle. The state is to prepare the plans and specifications free of charge and the cost of construction of the bridges will be borne by the county.

W. J. Nielon is County Clerk.

YREKA, Siskiyou Co., Cal.—The petition asking for the formation of the Butte Valley Irrigation District has been accepted by the County Supervisors and referred to the State Engineer for approval. W. J. Neilon is County Clerk.

## LIGHTING SYSTEMS.

LONG BEACH, Los Angeles Co., Cal.—According to announcement by Thos. G. DeCondres, representative of Phillip L. Bixby, $35,000 will be spent installing an ornamental lighting system with cement posts in the Los Cerritos district.

SAN FRANCISCO—The Mission Street Merchants' Association, announce that bids will be called for shortly for the installation of an electrolier system in Mission street, from Twenty-sixth to Army street. Gus Lachman is president of the association.

MERCED, Merced Co., Cal.—City Engineer C. D. Martin has been instructed to prepare plans and specifications for an electrolier lighting system throughout the business section and a large part of the residential quarter.

Streets included are: Sixteenth from N to K; Seventeenth from M to G; Eighteenth, Nineteenth and Twentieth from N to K; and K, L, M and N streets from Sixteenth to Twentieth.

## MACHINERY.

STOCKTON, San Joaquin Co., Cal.—The County Purchasing Agent has been instructed by the Supervisors to secure prices for two ¾-ton auto trucks for use of the Highway Maintenance Department. Eugene D. Graham is County Clerk.

SAN BERNARDINO, San Bernardino Co., Cal.—The water commissioners have ordered plans and specifications prepared for a direct-connected horizontal pump and motor to pump water from the city wells at Second and D Sts., into the new city reservoir.

SAN BERNARDINO, San Bernardino Co., Cal.—Until 9 A. M., June 15, bids will be received by Water Commission for constructing a pumping basin and well pit in accordance with plans and specifications on file in the office of the board. Certified check or bid bond for 10% required. J. H. Osborn, City Clerk.

OAKDALE, Stanislaus Co., Cal.—Up to June 28th, 8 P. M., bids will be received by Mrs. Mabel Sivley, Secretary of the Oakdale Union School District, for furnishing and delivering two school auto busses, each having a seating capacity of 30 students. Specifications may be had from the Secretary at Oakdale.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

SAN FRANCISCO—The Board of Public Works has awarded a contract to the Union Machine Co., for furnishing and delivering 33"x42" slide gates for the Hetch Hetchy project under Contract No. 67. The bid was $170,000, paying foreman on the work, $16 per day.

EUREKA, Humboldt Co., Cal.—The City Council has ordered the construction of a 12-foot sidewalk about the property at the corner of Grant and A Sts.

VALLEJO, Solano Co., Cal.—The city will not employ outside engineers to prepare the water report as had been planned. City Engineer T. D. Kilkenny has been instructed to proceed with the report. He was given permission to employ additional help and to confer with other engineers in regard to securing additional water supply for Vallejo and Mare Island. Kilkenny is to rush his work on the report so as to have it ready by the time that the congressional committee arrives at Mare Island to inspect the Carquinez naval base site.

LODI, San Joaquin Co., Cal.—J. L. Pickering is circulating a petition seeking the improvement of South Church street from Lodi Ave. to the city limits.

BAKERSFIELD, Kern Co., Cal.—At the last meeting of the City Council the program for paving C street from Eighteenth to Fifteenth streets and D from Sixteenth to Nineteenth streets was enlarged to include the paving of C street to the Santa Fe railroad tracks.

DOUGLAS, Ariz.—Geo. H. Oswald, of Los Angeles, Calif., has secured an additional contract for paving in Douglas, comprising about a mile of concrete paving with Topeka top, on Eighth St.

HOLBROOK, Ariz.—Bonds to amount of $135,000 were voted for water and sewer systems.

VALLEJO, Solano Co., Cal.—Resolution of Intention No. 65 has been passed by City Council for the improvement of portions of Arkansas, Illinois, Tennessee, Alabama, Sacramento, Marin, Sonoma, and Sutter Streets by grading and constructing sidewalks. A. E. Edgecumbe is the city clerk and T. D. Kilkenny, city Engineer.

HAYWARD, Alameda Co., Cal.—Town Engineer Haily has been instructed to prepare plans for repairs to the outfall sewer.

FLORENCE, Ariz.—B. H. Gallegher & Co., of Phoenix, Ariz., were awarded the contract at $82,861.40 for grading the Ray-Kelvin road, about 5 miles in length, in Final County; bids opened June 1, 1920. W. W. Lane, County Highway Engineer.

Other bids received were: R. C. Sheedy Construction Co., Los Angeles, Cal., $87,272.20; W. R. Brown Construction Co., Los Angeles, Cal., $119,570.22. Engineer's estimate, $82,704.25.

Work involves: 9,638 cu. yds. common excavation; 12,299 cu. yds. loose rock excavation; 33,379 cu. yds. solid rock excavation; 12,500 cu. yds. station overhaul; 550 cu. yds. dry rubble; 150 cu. yds. common channel; 1,500 ft. crown ditch, common; 1,300 ft. crown ditch, loose rock; 1,000 ft. guard rail fence; 380 ft. barbed wire fence.

SAN DIEGO, San Diego Co., Cal.—City Engineer Rhodes has presented to council an estimate of the work to be done on a sewer system south of Main St. between 28th and Fluto Sts., as follows: 5316 ft. trenching involving 298 cu. yds. excavation; 5361 ft. 6-in. cement pipe; 168 ft. 6-in. cast iron pipe, and 21 brick manholes.

LOS ANGELES, Cal.—City Engineer Griffin has submitted to council report on the proposed road on the north side of Elysian Park between North Broadway and Dayton Ave. bridge across the Los Angeles river. Two plans are considered, one estimated to cost $111,077 and the other to cost $86,024.

FLAGSTAFF, Ariz.—White & Miller of Yuma, Ariz., submitted the lowest bid at about $72,000 for paving a section of state highway in the town of Flagstaff. Bids were also submitted by Warren Bros., Southwestern Contracting Co. of Phoenix, and Raudabaugh & Black of Flagstaff.

VALLEJO, Solano Co., Cal.—T. E. Clinch, 668 Ninth St., Richmond, was awarded the contract for paving and sewering Chase street in Vallejo at $11,573. Bids received follow:

T. E. Clinch (a) 1100 cu. yds. excavation, $1.25; (b) 1722 lin. ft. combined curb and sidewalk, $1.66; (c) 122 lin ft. curb armor, 5c; (d) 25,000 sq. ft. 5-inch concrete pave, 18½c; (e) 25,000 sq. ft. asphaltic flush coat ¼-inch thick, 4c; (f) 80 lin. ft. corrugated galvanized iron culvert No. 10 gauge, rise 5 inches, span 28 inches, $4.50; (g) 61 lin. ft. corrugated galvanized iron culvert No. 12 gauge, rise 5 inches, span 22 inches, $3.50; (h) 505 lin. ft. 6-inch ironstone pipe sewer, $1.00; (i) 500 lin. ft. 4-inch ironstone pipe side sewers, 9c; (j) 1 concrete bottom manhole, brick walls, cement and plaster, $96; (k) 20 Y branches 6 by 4 inch, $1.30. Total, $11,573.

J. F. Fuller Co., Vallejo (a) $1.46; (b) $1.90; (c) 60c; (d) 17c; (e) 5c; (f) $5; (g) $4.20; (h) $2.28; (i) $1.95; (j) $160; (k) 50c. Total, $13,396. T. D. Kilkenny is City Engineer and Alf. E. Edgecumbe, City Clerk.

SAN FRANCISCO—The following contracts have been awarded by the Board of Public Works:

To Thos. Gallagher for sewer in Cowden street between Wilde avenue and Ankeny street, involving 826 lin. ft. 12-inch sewer, $3.15; 4 brick manholes, $125 each; 38 12-in. Y branches, $2 each. Total, $3,177.90.

To Thos. Gallagher for sewer in Harkness avenue between Cowden and point 400 feet westerly involving 400 lin. ft. 12-inch sewer, $3.25; 35 lin. ft. 8-inch sewer, $3.00; 24 12-inch Y branches, $2 each; 2 lampholes, $20 each, and 1 brick manhole, $125. Total, $1,618.

To State Improvement Co., for improvement of Mt. Vernon avenue between Howth and Louisburg, involving 2 brick manholes, $150 each; 267 lin. ft. 8-inch sewer, $1.75; 30 lin. ft. 12-inch sewer, $4; Y branches, 50c each. Total, $893.25.

To Fay Improvement Co., improvement of Sloat Boulevard between 40th avenue and Great Highway, involving 1982 cu. yds. cut 68c; 3318 cu. yds fill, 86c; 10 tons binder fill, $8; 79,120 sq. ft. asphalt con. pave, $22.7; 2400 sq. ft. conform pave, .09.4; 5,258 lin. ft. 2x8 r. w. headers, 14c and 268 sq ft. basalt header pave, 65c. Total, $23,377.40.

VENICE, Los Angeles Co., Cal.—Braun, Bryant & Austin, Inc., Santa Monica, were awarded the contract for paving Morningside, Appleton, Preston, Alexandria and Vienna Way, Glyndon and Penmar Aves., and Nowita Place at 2.5c sq. ft. for grading, 22c sq ft. for oil macadam paving, 18.7c sq. ft. for cement sidewalk, and 58c ft. for cement curb. The same company was awarded the contract for paving Sunset Ave. between Trolleyway and Second Ave. at 5c sq. ft. for grading, 23.5 sq. ft. for 5-in. concrete paving, 18¼c sq. ft. for cement sidewalk, 65c for concrete curb, and $5.15 lin. ft. for retaining curbs.

LOS ANGELES, Cal.—The county supervisors on June 4 adopted a resolution of intention to improve Seventh Ave. from Pomona Blvd., just west of Puente, south to Orange Grove Ave., a distance of 10,933 ft. or 2.07 miles, in Road Improvement District No. 166. The work will include plain and reinforced concrete paving, concrete curb and gutters, reinforced concrete culvert, metal pipe culverts, concrete headwalls and spillways and grading.

STOCKTON, San Joaquin Co., Cal.—The Supervisors have rejected the petition of framers in the Escalon District asking that a new road be opened from the French Camp road into the town of Escalon.

WILLOWS, Glenn Co., Cal.—The paving program was discussed at the last meeting of the City Trustees and R. D. Thomas, City Engineer, instructed to prepare preliminaries regarding grades, etc., and present estimates of cost at the June 21st meeting. J. C. Eubank is City Clerk.

WILLOWS, Glenn Co., Cal.—The Pacific Gas & Electric Company at the last meeting of the Trustees was granted permission to tap certain water mains of the city for extension to the eastern, western and northern sections of the city.

PORTERVILLE, Tulare Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for a new sewer main. Estimates of the cost will be submitted at the next meeting, when a date for a bond election will be set to secure funds with which to finance construction.

SALINAS, Monterey Co., Cal.—Howard P. Cozzens, County Engineer, has been ordered to survey Robinson canyon in the Sur county, preparatory to building a road there.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—All bids were rejected for the paving of the Santa Margarita-Pozo roadway, as was the lone bid submitted for the paving of Higueram Choror and Monterey streets in San Luis Obispo.

Warren E. Burch is County Highway Engineer.

RICHMOND, Contra Costa Co., Cal.—The City Council, A. C. Faris, City Clerk, has passed resolution of intention No. 377 for improving Rheem avenue, between 23rd and 26th streets and 24th and 25th streets between Lowell and Maricopa by grading, paving with 5-inch concrete with asphalt and broken rock wearing surface, sidewalks, wingwalls and portals of concrete, galvanized steel curb bars, corrugated salt glazed and concrete culverts, 6-inch vitrified sewer pipe, brick and concrete manholes, etc. Work to be done under the Improvement Act of 1911.

SANTA BARBARA, Santa Barbara Co., Cal.—Until 12 noon, June 17, bids will be received by City Clerk S. B. Taggart for improving Putman Ave. between Moreno road and California St., by grading and paving with 4-in. of concrete and constructing cement curb and sidewalks, 6-in. vitrified pipe sewer and two reinforced concrete catch basins and planting Carob trees; work to be done under Improvement Act of 1911. G. D. Morrison, City Engineer.

HANFORD, Kings Co., Cal.—A petition has been received by the Supervisors asking the repair of the county road beginning at the northwest corner of section 7, 19-22, running easterly two miles.

TURLOCK, Stanislaus Co., Cal.—Bids for the improvement of West Olive street will be called by the City Trustees in the near future, plans having been approved at the last meeting. The City Engineer has completed plans for the paving of Merritt, Myrtle, and Sycamore streets and these will be submitted for approval in the immediate future.

MONROVIA, Los Angeles Co., Cal.—City Engineer Gierlich has let a contract to J. R. McKnight of Los Angeles, for excavating for the 1,000,000 gallon reinforced concrete reservoir on N. Ivy Ave. The work will be done with a steam shovel.

geles harbor. The present dock is 20 ft. wide. The city engineer has been asked to submit an estimate of cost. The improvement, it is expected, will require about $35,000.

VISALIA, Tulare Co., Cal.—The City Engineer has been instructed to prepare report and recommendations as to the acquisition, by the city of Visalia, of the present city water system. He was further authorized to prepare a report and recommendations for a new sewer and extension system, after which the council will be better prepared to make preparations for a bond issue to cover the same.

SANTA MONICA, Los Angeles Co., Cal.—J. D. Kneen Contracting Co., Dudley Block, Santa Monica, submitted the lowest bid at $112,692.22 and was awarded the contract for paving San Vincente Boulevard between Seventh and 26th Streets, with bitulithic. Braun, Bryan & Austin, Inc., bid $118,171.13, and Fairchild-Gilmore-Wilton Co. bid $121,962.03. John A. Morton, City Engineer.

PASADENA, Los Angeles Co., Cal.—H. E. Cox, 305 Slavin Bldg., submitted the lowest bid at 23c sq. ft., including grading, for paving Oak Knoll Ave. between Colorado and California Sts., with concrete base and splash oil surface. J. E. Haddock submitted the only other bid at 23½c sq. ft.

CARSON CITY, Nevada.—The following bids were received by the Nevada State Highway Commission for furnishing and fabrication, including such shop drawings as are necessary for one 126 foot Through Pratt Truss Span with all shop connections completely riveted and all members and parts ready for erection, approximately 102,000 lbs. of structural steel to be erected in Humboldt County, Nevada.

Jenkins & Wells 36th and Y Sts., Sacramento, Cal., Proposition No. 1, $9,027, Proposition No. 2, $8,925.

Missouri Valley Bridge & Iron Works, Leavenworth, Kansas, (1) $7,262.40, (2) no bid.

Minneapolis Steel & Machinery Co., Minneapolis, Minn., (1) $7,497, (2) $6,-834.

Clinton Bridge Works, Clinton, Iowa, (1) $7,854; (2) $7,293.

LOS ANGELES, Cal.—M. S. Cummings submitted the only bid for improving Garnet St. between Soto St. and Boyle Ave., at 47c sq. ft. for grading; 8c sq. ft. for finishing grade, oiling and rolling; 65c lin. ft. cement curb; 22c sq. ft. cement sidewalk, 31c sq. ft. concrete gutter, and $2713 for storm drain.

SAN DIEGO, San Diego Co., Cal.—New bids will be asked for paving Laurel St. between 29th and 30th Sts. The bid of John Engerbretsen, the only one received for this work, was rejected because the printed form of the notice was not attached to his bid.

Bids for paving Chatsworth Blvd., Lytton St., Voltaire and Catalina Blvds. were rejected by council on recommendation of city engineer as too high and a new call for bids will be issued.

MARTINEZ, Contra Costa Co., Cal.—Contracts for county highway units have been awarded by the County Supervisors as follows:

To A. J. Grier at $48,860, seven-mile link between Concord and Clayton, Division No. 24, oilbound macadam.

To A. J. Grier, at $37,303, 4 miles of road in Ygnacio valley, oilbound macadam.

To Bates & Borland at $15,160 for grading a strip between Danville and Tassajara.

To R. Blanco at $26,567 for paving main street in Town of Crockett, known as Loring avenue, a distance of approximately 1 mile.

R. R. Arnold is County Engineer.

CARSON CITY, Nevada.—Following bids were received and taken under advisement by the Nevada State Highway Commission, C. C. Cottrell, Highway Engineer, for the grading and gravel surfacing and construction of culverts in the mat from Smiths Corners to Hudson Aurora road in Lyon County, a distance of 2.27 miles:

H. Francisco, Yerington, Nevada, $23,748.

Bishop & Griscom, Thoms-Biglow Bldg., Reno, Nev., $27,961.

John Ross, Yerington, Nevada, $22,-850.89.

NAPA, Napa Co., Cal.—The Pacific Fence Co. has been awarded the contract by the City Council for furnishing and erecting a wire woven fence at East Napa Park.

FRESNO, Fresno Co., Cal.—Thompson Bros., 1514 H St., Fresno, has been awarded contracts by the City Council, Chas. Dillon, City Clerk, for the following improvements:

Construction of 6-inch lateral sewers with Y's for each 25-foot frontage in Blocks 2, 4, 5, 6, 7, 9 and 11 of Palm Villa.

Blocks 3, 4, 5, 6, 7, 7½, 9, 10, 11, 12, 13, 14, 19, 20, 21, 22, 23, of Hazelwood.

Blocks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 of Cedar Park.

Unit Prices—Sewer, $1.15 per lin ft.; manholes, $80 each.

Construction of 6-inch lateral sewer in Plumas St., opposite the alley of Block 91 of Fairmont west to a point 132.5 feet east of Block 91, including the construction of a manhole; the construction of a 6-inch lateral sewer from the newly constructed manhole to a point 20 feet south of Block 91 and to a point 20 feet north of Block 91; also the construction of a 6-inch lateral sewer from a manhole 132 ft. west of Block 91 to a point north 20 feet and south 20 feet from Block 91, including the placing of Y's at every 25-foot frontage.

Unit Prices—Sewer, $1.05 ptr lin. ft.; manholes, $85 each.

For the improvement of Hazelwood Blvd. from Butler to California Ave. by grading, constructing cement concrete curbs and gutters, corrugated metal culverts and oiling between curb lines.

Unit Prices—Grading, 4¾c sq. ft.; concrete curbs, 68c lin. ft.; oiling, 3c sq. ft.; 12-inch corrugated iron culverts, $4.25; 18-in., $5.; 24-in. $6; manholes, $30 each

For the improvement of Hamilton Ave., from Parallel Ave., to South Third St., by grading, constructing cement concrete curbs and gutters, corrugated metal culverts and oiling between curb lines.

Unit Prices—Grading, 4¾c sq. ft.; concrete curbs, 68c lin. ft.; oil, 3c sq. ft.; 12-in. corrugated iron culverts, $4.25; 24-in. $5 lin ft.; manholes, $30 each.

Improvement of Patterson Ave. from Blackstone Ave. to San Pablo Ave., by grading, constructing cement curbs and gutters, corrugated culverts, cement sidewalks and oiling between curb lines.

Unit Prices—Grading, 4¾c sq. ft.; oiling, 3c sq. ft.; concrete curbs, 68c lin. ft. concrete sidewalks, 22c sq. ft.; 12-in. corrugated culverts, $4.25 lin. ft.; 18-in. $5 lin ft.; manholes, $30 each.

The construction of cement concrete curbs and sidewalks in the west side of College Ave., from Floradora Ave., and south side of Floradora Ave., from College Ave. to Van Ness Blvd.

Unit Prices—Concrete curbs, 65c lin. ft.; sidewalks, 21c sq. ft.

For the construction of concrete curbs and sidewalks in the east side of Moroa Ave. from Weldon Ave. to Cambridge Ave.

Unit Prices—Curbs, 65c lin. ft.; sidewalk, 21c sq. ft.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—July 7th is the date set by the Supervisors to consider bids for paving the streets of Paso Robles, under the County highway bond issue. Bids for the construction of the Cholame Creek bridge on the State Lateral will be received at the same time.

On June 21st bids will be considered for gravelling Corbet Canyon road, and grading the Morro-Atascadero road.

Warren B. Burch is County Engineer.

SANTA CRUZ, Santa Cruz Co., Cal.—S. A. Evans, City Clerk, will receive bids up to June 21st, 5 P. M., to be opened June 22nd, 9:45 A. M., for a 6-in. vitrified ironstone sewer in a portion of Sadie street from Lodi street to a point 225 feet westerly, 1 brick manhole with cast iron top and 10 Y branches with 4-inch openings. Certified check for 10% payable to City required.

PASADENA, Los Angeles Co., Cal.—H. E. Cox, 305 Slavin Bldg., was awarded the contract at 23c sq. ft., including grading, for paving Oak Knoll avenue between Colorado and California streets, with concrete base and splash oil surface. J. E. Haddock submitted the only other bid at 23½c sq. ft.

VISALIA, Tulare Co., Cal.—The Board of Supervisors has awarded a contrtct for the Orosi-Orange Cove highway to L. W. Davy and C. J. Filmer, of Long Beach. Other bidders were: E. E. Herdman and the C. N. Construction Company, both of Visalia.

Lawrence Moye is County Engineer.

VISALIA, Tulare Co., Cal.—Up to June 24th bids will be received by the County Supervisors for the Worth-Springville road from plans by County Engineer Lawrence Moye. A concrete pavement will be laid.

RED BLUFF, Tehama Co., Cal.—W. F. Lunning, City Engineer, submitted estimates of cost to the City Trustees for the construction of a water system and June 14th is the date set to call an election to vote bonds with which to finance construction. It is probable the ballot will also provide for the purchase of the privately owned system, as both propositions are favored.

Using Matheson pipe, Lunning estimates the cost of the system as follows:

Two 100-h. p. motors, completely erected at Red Bluff, $2946; one two-stage domestic pump, 1200 G. P. M. completely erected at Red Bluff, $4300; one four-stage underwriter's fire pump, 1000 G. P. M., completely erected at Red Bluff, $2400; one 200,000 gallon steel tank and tower, completely erected upon foundation, eighty-six feet to top, $19,000; one 100-h. p. gas engine, completely erected at Red Bluff, $7900; one 5-h. p. motor, installed, $125; one 3kw. transformer, installed, $105; one T. P. D. T. oil switch, installed, $135; pump pit and building, completely erected, $5000; inside piping, $1300; 13-225 feet ten inch pipe in place at $1.76, $23,276; 21,140 feet six inch pipe in place at $1.14, $24,099; 30,570 feet of four inch pipe in place at 78 cents, $23,-844; valves, $3000; specials, $3000; hydrants, $2500; wells and purchase of lots, $3500; incidentals, $5681; plans, specifications, engineers' fees (6 per cent) $7886; Total, $139,997.

NAPA, Napa Co., Cal.—Petitions are being circulated for presentation to the Trustees asking the paving of a street through the Eastman and Lundy property from the highway at the Gesford corner to Randolph street, and in Randolph street to Fifth street. ; H. H. Thompson is City Clerk.

REDWOOD CITY, San Mateo Co., Cal.—The Colma Improvement Club has petitioned the Supervisors to open up Market street in the Colma District by constructing a tunnel under the S. P. right-of-way, the money for financing the work to be secured through the formation of an assessment district. Before directing the County Engineer to prepare estimates, etc., the Board requested that the petition be submitted in writing.

REDWOOD CITY, San Mateo Co., Cal.—Chambers & DeGolyer, of San Francisco, have been awarded a contract by the City Trustees for construction of a sewer in Heller and Chestnut streets at $5,972, the city to furnish the necessary pipe.

T. E. Clinch offered to do the work for $5,879.60 with the city furnishing the necessary pipe, but as he asked 60 days in which to finish the contract, as against 30 days for Chambers & De Golyer and as time is essential, the board decided to award the contract to the latter firm.

Other bidders were: Fred Meyers, Owen McHugh, Jas. Casley and A. Mattson.

The Trustees received two bids for furnishing 4400 feet of sewer pipe for the above work—from the California Pottery Co. and Gladding, McBean & Co. The figures of the two firms for 15-inch double standard pipe was exactly the same—$4301, but Gladding, McBean & Co., submitted a separate bid on 16-inch Standard, single strength pipe of $4103, which was accepted, the price being f. o. b. Redwood City.

C. L. Dimmitt is City Engineer.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The County Supervisors have awarded a contract to the Hunt-Waugh Construction Co. for the San Luis Obispo-Cambria highway at $171,671. The stretch is 11 miles long. The county will furnish cement.

The bid of Ira Hodson for paving the Traffic Way road was also accepted by the County Board. Warren B. Burch is County Engineer.

SOUTH PASADENA, Los Angeles Co., Cal.—Resolutions of intention for street work to be done under Improvement Act of 1911 were adopted by city trustees on May 24 as follows:

Oak St. between Diamond Ave. and Fair Oaks Ave., to be graded and paved with 3 inches of crushed rock and oil; cement gutters.

Spruce St. between Fremont Ave. and Fair Oaks Ave., to be graded and paved with 3 inches of crushed rock and oil; cement gutters.

Diamond Ave. between Mission St. and Monterey Road to be paved with 3 in. of crushed rock and oil; cement curb, sidewalks and gutters.

Ramona Ave. between Rollin St. and Pine St. to be graded and paved with 3 in. of crushed rock and oil; cement gutters.

RICHMOND, Contra Costa Co., Cal.—City Engineer Chapman is completing plans for the improvement of Standard avenue. It is probable the plans will be presented at the next Council meeting for approval. A. C. Faris is City Clerk.

SAN LUIS OBISPO, S. L. O. Co., Cal.—Petitions have been received and taken under advisement by the City Council for street work in Essex street between Monterey and Pismo, and in Beach street between Pismo and Pacific streets.

ORLAND, Glenn Co., Cal.—Bids for the street paving program have been ordered received by the City Trustees. It is probable the bids will be opened June 28th. A complete description of this work will be given in the immediate future.

STOCKTON, San Joaquin Co., Cal.—Petitions have been received by the City Council asking the improvement of streets in the Searchlight Addition. The petition sets forth the necessity of fire mains and hydrant installation, construction of gutters and sidewalks and paving. W. B. Hogan is City Engineer.

NOGALES, Ariz.—Citizens at a mass meeting asked the Supervisors of Santa Cruz County to call an election to vote on issuing $100,000 bonds to meet federal aid for constructing highways.

PASADENA, Los Angeles Co., Cal.—City Engineer Edwin P. Dewey has been instructed by the city commission to prepare plans and specifications for paving Kensington Drive between Vernon and N. Orange Grove Aves., with 2-in. oil macadam.

RICHMOND, Contra Costa Co., Cal.—Two bids were received by the City Council for the improvement of 23rd street, between Esmond avenue and the north city limits, F. A. Mero and L. L. Page. Mero's bid was accompanied by a certified check for $3,000 and Page's by a check of $4,000. Work will consist of grading, paving with 6-inch concrete base, broken rock and asphalt wearing surface, concrete curbs, gutters, sidewalks; wing walls, portals, corrugated and metal culverts, vitrified sewer pipe, brick manholes, etc. The bids were taken under advisement. A. C. Faris is City Clerk.

EL CENTRO, Imperial Co., Cal.—The County Supervisors have rejected all bids for materials for the county highway system in furtherance of the plan to buy materials on the open market and construct highways by force account. A mile of concrete pavement is being laid at Brawley and a mile of Warrenite at Holtville preliminary to determining the type of pavement to be adopted. All further work except grading will be postponed until fall.

SAN LUIS OBISPO, S. L. O. Co., Cal.—The Hunt-Waugh Construction Co., submitted the lowest bid to the Supervisors for the first section of the County Highway system, eleven miles of concrete paving, from San Luis Obispo to the Cienega Roadhouse, near Morro. The bid was $171,671, a total of $21,-160 per mile. In addition to this County will furnish cement valued at $61,-320. The estimate of County Highway Engineer Warren B. Burch was $172,-600. Other bidders were: W. E. Turk & H. S. Groul, $197,618; McPeak-Dillin & Co., $211,527; Chas. J. Lindgren, $213,854; Federal Construction Co., $230,032; Bates & Borland., $236,404.

The bids were taken under advisement.

FRESNO, Fresno Co., Cal.—The Board of Supervisors, D. M. Barnwell, County Clerk, has passed resolution of Intention No. 1 providing for the grading and construction of concrete sidewalks in Huntington Boul., Balch, Inyo and Mono Ave., etc., all in Road Improvement District No. 1. Work will be done under the R. D. I. A. of 1907. Chris. P. Jensen is County Engineer.

SACRAMENTO, Cal.—State highway day labor work, authorized or under way; approximately $1,000,000 in estimated value, was ordered discontinued recently by the California Highway Commission. This action follows up its order of disbanding all survey parties engaged in location surveys on new and uncompleted routes.

These actions are a continuation of the policy of the Commission inaugurated several months ago for the curtailment of work pending readjustments necessary to make State highways 4½% bonds salable at par. All contract work and a limited amount of day labor work will be continued for the present.

Practically all the State is affected by the reduction order of the Commission. Work has been ordered stopped on the following specific sections:

Mendocino County—From Forsythe to Ukiah, flattening curves; from Redwood to Willits, flattening curves; from Rattlesnake Summit to north boundary line, grading.

Humboldt County—Redwood to Three Creeks, partial reduction of force engaged in grading.

Tehama County—Thomes and Cham-

plain Creeks, grading; near Cottonwood, grading.

Shasta County—Approach to Cottonwood Bridge; grading at bridges.

Sierra County—Bridge on north fork of Yuba River.

Lassen County—Coppervale to Susanville, gravel surfacing.

Calaveras County—Westerly boundary to Valley Springs, surfacing.

Solano County—Vacaville to near Batavia, surfacing; Benicia to near Cordelia, surface oiling; near Batavia to north boundary line, surface oiling.

Yolo County—Davis to Yolo Trestle, surface oiling; Yolo Trestle to Sacramento surface oiling.

Contra Costa County—Relocation unit west of Valona, grading and paving; El Cerrito, work on street intersection.

Alameda County—Altamont to Greenville, paving gaps.

Santa Clara County—Perry Station to Morgan Hill, Topeka surfacing.

San Mateo County—Beresford to Redwood City, shoulders and Topeka surfacing.

Monterey County—Pavement of certain exceptions.

Santa Barbara County—Pavement of certain exceptions; Las Cruces to Zaca, stockpiling of materials.

San Luis Obispo County—Pavement of certain exceptions.

Tulare County—Visalia to Goshen, Topeka surfacing.

Kern County—Surface oiling.

Merced County—Delhi to Stanislaus County line, concrete shoulders.

San Diego County—Tecate to county line, force on pavement work to be reduced.

Imperial County—Myers Canyon Grade, grading; Gravel Wash to north boundary, paving.

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REDWOOD CITY, San Mateo Co., Cal.—Up to 8 P. M., June 21st, bids will be received by W. A. Price, City Clerk, for the repair or rebuilding of a portion of the bituminous macadam pavement on Phelps Street, beginning at the southeast line of Buckeye St. and extending to the southeast city boundary line.

Certified check of 10% payable to Town of Redwood City required. C. L. Dimmitt is City Engineer.

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OROVILLE, Butte Co., Cal.—Two bids were received by the County Supervisors for the construction of 10 miles of the Gridley-Colusa road. The bids were Clark and Henery Construction Co. at approximately $25,000 per mile and the Chico Construction Co., at approximately $26,000 per mile. $140,000 is available for constructing this unit.

The Chico Construction Co. was the only bidder on the Thermalite and Grant Avenue road, a distance of 2 miles at approximately $20,000 per mile. $32,000 is available for construction.

No bids were received for the Cana road, 3 miles of asphalt macadam, for which $25,000 is allowed. Martin C. Polk is County Engineer.

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MARTINEZ, Contra Costa Co., Cal.—Following bids were received by the Contra Costa County Supervisors for county highway construction:

Division 24, Concord to Clayton, 5.77 miles, asphalt macadam road—A. J. Greer, $18,860.

Division 26, Danville to Tassajara; grading only—R. J. Blanco, $21,525; Bates & Borland, $15,160; P. Rolandi, $25,450.

Division 26, Ygnacio Valley, 4 miles—A. J. Greer, $37,303.20.

Division 23, street in Crockett, concrete—R. J. Blanco, $25,567.

The bids were taken under advisement. R. R. Arnold is County Engineer.

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SAN JOSE, Santa Clara Co., Cal.—The County Supervisors have awarded a contract to Frank Bryant at $4,482 for the construction of a reinforced concrete bridge on Agnew road over Campbell creek in supervisor's district No. 4.

The engineer's estimate was $4,840. Other bidders were: R. H. Jamison, $4,830; J. H. Miller, $4,765; Hirschbach & Sciarrino, $5,100; John Williams, $4,600; John Doyle, $4,883; Jim Casley, $6,320; A. Mattson, $5,200.

Henry A. Pfister is County Clerk.

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OAKLAND, Cal.—June 17th, 12 M., bids will be received by City Clerk L. W. Cummings, for improving Over St., from Suter to Porter, by grading; constructing concrete curbs; gutters, and sidewalks and paving with oil-macadam.

Bids for similar improvements in Viola St., from Suter to Porter street, will also be received on the same date. The work is to be done under Improvement Act of 1911.

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PORTLAND, Ore.—Following is a list of bids submitted at the last meeting of the State Highway Commission:

Furnishing and delivering 12,000 barrels of cement, Beaver Portland Cement Co., prices ranging from $4.23 to $4.26 with cash discount and allowance of 25 cents for sacks.

**Four bridges on Crooked River Highway in Crook County.**

Engineer's estimate .....$50,531.25

Curtis Gardner and John Almeter, Portland..... 65,775

**Bridge Over Spanish Gulch on Columbia River Highway in Sherman County.**

Engineer's estimate .....$17,595.00

Hoard Brooks Co..... 19,920

**9.35 Miles Surfacing, La Grande to Joseph in Union County.**

A. D. Kern.....$53,265.00

**6.9 Miles Grading John Day River in Gilliam County.**

Using iron pipe—Copenhagen Bros. ..... ....$109,880

And for concrete pipe..... 110,900

**8.9 Miles Grading, Paving, Old Oregon Trail in Malheur County.**

Warren Const. Co., bituminous concrete .....$31,688.20

**10.48 Miles Grading and Surfacing in Umatilla County.**

Umatilla County Court .....$113,324

**1530 ft. of Pavement in Clatsop County**

N. W. Const. Co., Portland.....$19,226

**2 Miles Grading of Approach Fills in Jackson County.**

C. H. Natwick.....$11,630

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STOCKTON, San Joaquin Co., Cal.—Up to June 22nd, 10:30 A. M., bids will be received by Ansil S. Williams for the construction of sidewalks, gutters, curb and pavement adjoining the High School grounds on the north.

A certified check for 10% required. Plans on file in office of High School Board.

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SANTA MONICA, Los Angeles Co., Cal.—J. D. Kneen Contracting Co., Dudley Block, Santa Monica, submitted the lowest bid at $112,692.22 and will be awarded the contract for paving San Vincente Blvd. between Seventh and 26th Sts. with bitulithic. Braun, Bryan & Austin, Inc., bid $118,171.13, and Fairchild-Gilmore-Wilton Co. bid $121,962.03. John A. Morton, city engineer.

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LOS ANGELES, Cal.—Until 10 A. M., June 21, bids will be received by board of public works for paving Bonnie Brae St. between Sixth and Seventh Sts with Warrenite-bitulithic and constructing concrete pavement and cement curb and gutters. Bids for this work were to have been received on June 14, but on account of an error it was readvertised.

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POMONA, Los Angeles Co., Cal.—The city council has adopted specifications for paving six streets in the business section of the city with 1:2:4 concrete 5 in. thick with ⅜-in. asphaltic oil surface. Expansion joints will be laid every 32 ft. C. E. Bayley, city engineer.

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SANTA CRUZ, Santa Cruz Co., Cal.—At the last meeting of the County Supervisors the uncompleted contract of J. Kann, who is grading the Riverside road for highway purposes, will be completed by his bonding company, the National Surety Company, under their $18,000 bond. A notice of claim against Kann filed by S. C. Marcus of Watsonville asking that his bill of $251.87 be set aside from any amounts due Kann from the county in the hands of the Supervisors. The bill is for powder, caps and other blasting material.

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SAN JOSE, Santa Clara Co., Cal.—Up to July 6th, 10 A. M., bids will be received by County Clerk Henry A. Pfister, for the improvement of the Congress Springs Road in Supervisor District No. 5. Plans may be had from the County Clerk at San Jose.

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SACRAMENTO, Cal.—According to a report submitted to the City Commissioners, it will cost $182,000 less than the amount voted to finance construction of the Sacramento filtration plant. The report was submitted by Commissioner of Public Works Johns Q. Brown.

Estimates of the cost of the filtration plant have been expected for some time, and only recently were completed by the filtration engineers. The estimated total cost as presented by Brown for the plant complete, to give a pumping capacity of 32,000,000 gallons daily will be $1,618,000. The bond issue was for $1,800,000.

This estimate is divided as follows: Purchase of land, $126,000; general bill, $70,000; roads, paths, planting, lighting, $25,000; intake, pier and conduits, $155,000; pumping station and equipment, $275,000; coagulating basins, $190,000; filters, head house and sump, $225,000; coagulating house, $75,000; filtered water basin, $115,000; miscellaneous outside pipes, valves, etc., $70,000; drains, manholes, outfall, etc., $12,000; conduits to distributing system, $130,000; contingencies, $50,000; engineering, $100,000.

Commissioner Brown estimates the capacity of the plant, 32,000,000 gallons daily. At present the city uses at this time of year around 23,000,000 gallons daily.

It is recommended in the report that when bids are received, in the event they are higher than the estimate, the city reject them and do the work itself.

Brown hopes to have plans and specifications for the intake, intake conduits, pumping station and force mains ready by July 15th; to take bids by August 15th and to start construction September 1st. He expects the plant to be completed by April 1, 1921.

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STOCKTON, San Joaquin Co., Cal.—Following the receipt of a petition from residents in the Searchlight Addition, in the eastern section of the city, the Council has decided to place on the ballot this fall a bond issue to take care of storm water sewers wherever needed. City Engineer W. B. Hogan was instructed to furnish the council with an estimate of the work required in all parts of the city and the people will be given an opportunity to vote on the proposition at the elections in October.

City Engineer Hogan roughly estimates the cost of sewers in the Searchlight Addition at $18,000.

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LOS ANGELES, Cal.—C. W. Sparks, 1127 Orange St., submitted the lowest bid at $31,000 for the construction of oiled macadam pavement, corrugated metal pipe culverts, concrete headwalls, etc., in Road Improvement District 145. Other bids received by the Board of Supervisors were: G. T. McLain, $37,000; Rogers Bros. Co., $37,800, and Cummings Construction Co., $44,800. The work will be done under the R. D. D. Act of 1907. The project is 12,841 ft., or 2.43 miles in length, extending north from Pomona Blvd. to Merced Ave., to be paved with 5-in. oil macadam 22 ft. wide. The work involves 2806 cu. yds. excavation; 12,841 lin. ft. shaping road bed; 31,733 sq. yds. ma-

cadam pavement; 540 lin. ft. corrugated iron culvert; 6 cu. yds. concrete in headwalls; average haul for rock 4½ miles from Crushton, and for culvert pipe 2.75 miles from S. P. siding at Fuente. Estimated cost to contractor, $33,949. County furnishes 5000 tons rock for macadam and 756 bbls. oil, estimated to cost $6750.

RED BLUFF, Tehama Co., Cal.—The City Trustees have decided to call an election to vote bonds with which to purchase and improve the present water distributing plant or construct an entire new system. Decision as to the amount to be voted will be made at the next session of the City Board on June 14th.

Original estimates as to the cost of a new plant and distributing system were placed at $200,000. These call for sinking of wells.

The original price made for the sale of the Antelope Creek and Red Bluff Water Company's system to the city was $108,000. A reduction to $100,000 then was announced by the company, but the Chamber of Commerce Water Committee reported the company now refused to sell and had withdrawn its offer.

SEAL BEACH, Los Angeles Co., Cal.—The City Trustees are offering for sale on June 17 a $45,000 5% bond issue voted two or three years ago to construct a water distributing system for the city. As there is no market now for 5% bonds except at a big discount the offering of the bonds is a formality to pave the way for a new bond issue of $60,000 to $75,000 necessary on account of increased costs for construction. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, are the engineers.

HOLLISTER, San Benito Co., Cal.—A petition has been presented to the Supervisors asking the construction of a road through the Porter property in the Grass Valley section.

SEATTLE, Wash.—The Board of Public Works has awarded a contract to Scalzo & Co., 1708 22nd Ave., So., Seattle, for the improvement of 41st Ave. N. and adjacent streets by grading, concrete walks, curbing, sewers, etc. The bid was $132,893.15.

LOS ANGELES, Cal.—The Supervisors have re-let the contract for constructing cement curb and sidewalks in road improvement district No. 151, Graham, to Fred Hoffman, 111 E. Twelfth St., Long Beach. The contract was originally let to D. L. Gaskill. The work is about 25% completed.

FRESNO, Fresno Co., Cal.—Directors of the Fresno County Chamber of Commerce after having heard John E. Prince, builder of the Los Angeles speedway, outline a proposal for the construction of a similar speedway here, promised to give the matter "favorable consideration" and will interview the County Supervisors regarding the project.

LOS ANGELES, Cal.—Rogers Bros. Co., 350 Merrick St., submitted the only bid at $68,900 for constructing a disintegrated granite pavement on the Lancaster-Terra Bonita road, in Road Improvement District No. 155. The bid was referred to Road Department. The length of the road to be improved is 22,008 ft. and a pavement 18 ft. wide and 6 in. thick will be laid. Following are the quantities involved in labor and placing materials: 9133 cu. yds. excavation, 22,008 lin. ft. shaping road; 14,470 tons granite, hauling and placing; 270 ft. pipe culvert; 22 cu. yds. concrete in headwalls. The following materials will be furnished by contractor: 10,750 tons of granite; 30 ft. 18-in. corrugated metal pipe; 240 ft. 24-in. corrugated metal pipe; 22 cu. yds. concrete; 120 lbs. reinforcing steel. The county will furnish 4000 tons of granite. Estimated cost to contractor, $44,667.

MEXICALI, Lower California.—Until 10 A. M., July 1, bids will be received by the governor of the northern district of Lower California at Mexicali for machinery, equipment, materials and labor for constructing a municipal water system at Mexicali in accordance with plans and specifications prepared by F. G. Dessery, engineer, 619-20 Central Bldg., Los Angeles, at whose office plans may be seen and further information obtained. The project is estimated to cost $500,000 gold. The plans prepared by Mr. Dessery were approved by Gov. Cantu and a commission of Mexican engineers on March 24, 1920. The new water system will serve old Mexicali and the new town of Mexicalia, which is an addition of 250 acres adjoining the old town, the principal streets of which will radiate from the capitol now under construction. Assistant engineers under supervision of Mr. Dessery will complete this new townsite subdivision this week. It is intended to push the work on the water system to early completion. Water will be brought through a canal 3,000 ft. long to grit chambers and settling basins, thence through filters and will be pumped into a 100,000 gallon steel tank on a 100-ft. tower. The pumping equipment will be so arranged that high pressures may be maintained on all parts or the system for fire protection. Bids will be taken separately for various parts of the work and materials under 15 segregations.

OLYMPIA, Wash.—The following contracts have been awarded by the State Highway Commission:

Clearing, grading and draining 3.6 miles of Olympic highways, Grays Harbor county, between Montesano and Brady. Awarded to Beck & Einerson of Hoquiam on a bid of $50,390.90.

Constructing two reinforced concrete bridges on Olympic highway in Mason county. Awarded to Nichols Fleiness, 1310 First Avenue, Seattle, at $28,983.25

Clearing, grading, draining and surfacing with gravel two miles of State Road No. 4, in Okanogan county. Awarded to Frank L. Anderson of Molson, Wash., at $32,838.10.

Clearing, grading, draining and surfacing with gravel four miles of Chelan and Okanogan highway in Okanogan county. Awarded to J. O. Burdett of Malott, Wash., at $25,268.

Constructing reinforced concrete viaduct on Pacific highway in Skagit county, on the portion of highway known as Wildcat Cove. Awarded to McRea Brothers of Seattle, at $8,567.

PETALUMA, Sonoma Co., Cal.—A petition has been received by the City Council asking the improvment of the surface of East Washington St. Lyman Green is City Clerk.

## FIRE EQUIPMENT.

SAN MATEO, San Mateo Co., Cal.—City Attorney Chas. N. Kirkbride has been instructed to commence proceedings for an election to decide the question of issuing and selling bonds of $19,000 with which to purchase a pumping engine with a White chassis for the fire department.

ESCALON, San Joaquin Co., Cal.—A direct tax has been voted to secure funds with which to puresase fire fighting apparatus for a volunteer fire department.

# Official Proposals.

**NOTICE TO CONTRACTORS.**

SEALED PROPOSALS for constructing the Somes Bar Bridge across the Salmon River in the Klamath National Forest, Siskiyou County, California, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 836 Mills Building, San Francisco, California, **until 2:00 P. M. o'clock on the 28th day of June, 1920,** at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The location is about ½ mile below Somes Bar and 6 miles above Orleans, on the Klamath River Road. It is about 77 miles from Trinidad, the terminus of the N. W. P. Ry.

The work consists of erecting a timber truss on concrete pier and abutment, with 70 ft. of timber trestle approach. The principal items are 1-150 timber truss containing 60 MBM of lumber and 15 tons of steel; 85 cu. yds. Class "A" concrete; 80 cu. yds. Class "B" concrete; 30 MBM lumber in trestle.

A road extends to a point ¾ mile from the bridge and the intervening section is now under construction and will open for traffic to the bridge by July 15, 1920. It will be kept open during the construction season.

Douglas Fir obtained locally will be used.

The work embraced in this contract shall be completed within 150 weather working days.

The contract form and the maps, plans, specifications, and estimates of quantities may be examined by responsible contractors at the following addresses:

836 Mills Building, San Francisco.
J. H. Obermuller, Somes Bar, California.

All proposals must be made on forms, and in accordance with instructions forming a part of the specifications above referred to.

C. H. SWEETSER,
District Engineer.

**BIDS WANTED FOR STEEL HANGARS, GENERATOR HOUSES, ETC.**

**NOTICE TO CONTRACTORS.**

SEALED PROPOSALS for the construction of steel hangars, generator houses and miscellaneous construction at Forts Barry and Winifield Scott will be received and publicly opened at **11 A. M., June 21, 1920,** at the Office of the Constructing Quartermaster for the Coast Defenses of San Francisco at Fort Mason, San Francisco. Proposals will also be received covering work at other Coast Defenses. Information at above address.

## POSITIONS WANTED

Experienced sheet metal worker, seeks connection with large shop as foreman estimator or superintendent, able to handle work from blueprints, experience in cornice sky lights, metal windows, kalamein work, heating and ventilating systems, culverts, flumes, tanks and specialties. Best of reference, member A. S. M. E. P. O. Box No. 14, Station A, Berkeley. (tf)

## BEAVERS CUT DOWN AND CARRY OFF PEAR TREES

LODI OFFICE STOCKTON RECORD, June 5.—W. A. Morehead, who lives in Lodi and owns a ranch just west of Woodbridge, reports that three of his four-year-old pear trees have been cut down by beavers and two of them dragged into the river. After dragging them to the river's edge the beavers cut the trees up into suitable lengths and take them under water to their homes back in the river bank.

## PILING FOR S. P. SACRAMENTO SHOPS COMPLETED

SACRAMENTO, Cal.—The first piles for the new brass foundry and spring shops for the Southern Pacific have been driven, D. S. Watkins, Superintendent of the shops, announced recently. Work on the buildings will be rushed as rapidly as the supply of materials will permit, he said.

Considerable difficulty is being experienced in receiving materials, Watkins said. The lumber can be brought from the company's mills in Oakland, but corrugated iron and nails must be shipped from the East, necessitating delay.

An English inventor has combined a rubber flesh brush with a soap dish, providing it with a vacuum cup to hold it erect when used for the latter purpose.

## STOCKTON PURCHASES TWO SCHOOL SITES

STOCKTON, Cal.—Two school sites have been purchased by the Board of Education, one in the southwestern portion of the city and the other in the southeastern corner. Payments for the lots were made in bonds of the Stockton School District, provided for as the result of a $1,275,000 bond issue approved by the people at an election on the 28th of last February.

## ASSEMBLY MATERIALS FOR RENO PAVING

RENO, Nevada—Materials and machinery for the construction of the pavement, awarded to Clark & Henery of Sacramento, have arrived and a crew is now at work placing the mixing plant in position for operation.

From present indications it will be about two weeks before the plant is set up and in full running order. Only the machinery and metal parts were brought from Sacramento and the rest of it will be constructed of material secured here.

## MONTEREY HARBOR TO BE SURVEYED

The rivers and harbors bill, signed by President Wilson, carries an appropriation for a resurvey of Monterey harbor. On the results of the survey and recommendations of the government engineers will depend the plans for a breakwater, submarine base and other projected improvements in Monterey harbor.

## WANT TO BUY BONDS TO PURCHASE SCHOOL SITE

SACRAMENTO, Cal.—The Parent-Teacher association of El Dorado school yesterday asked the city board of education to allow the people in that section to purchase school bonds and that with the money the site they have selected be purchased immediately so that a new school may be provided as soon as possible. It was explained by members of the board that no action can be taken until the report of the architectural commission is made.

## TO BUILD BRIDGE OVER MIDDLE YUBA RIVER

NEVADA CITY, Cal. The Board of Supervisors has approved of the plans and estimates submitted by the State Highway Commission for a new concrete bridge across the Middle Yuba River, above Freeman's Crossing, on the Nevada City-Downieville lateral.

The Highway Commission has also been authorized to proceed with the construction of the span bridge. Yuba County is to bear half the expense.

The Supervisors of that county also have approved plans and set aside $10,000 for the work, so work on the bridge is expected to commence at an early date. The bridge will cost between $15,000 and $20,000.

## MERCER-FRASER TO START BRIDGE JOBS

EUREKA, Cal.—The Mercer-Fraser Co., which has the contracts for building the three county bridges across the Mattole River, expect to begin work on two of them, those at Honey Dew and Thorn the early part of next week. The material for the Honey Dew bridge now is being shipped by truck from South Fork, and the first of the material for the Thorn bridge, consisting of concrete and lumber, will be shipped from here tomorrow on the gas schooner Magnolia, to be landed at Shelter Cove, about eight miles from the bridge site. The material for the third bridge, that at Shield's Ford, is not yet ready for shipment.

## REVIVING AN OLD MAXIM

**By EDWARD HAUPT**
**Strobel Steel Construction Co., Chicago**

There apparently occurs every so often a time when the community or the individual must submerge personal issues and consider the effect which their acts will have upon society as a whole. The present time calls for a most liberal application of the Golden Rule not only in the building business, but in the business of the world.

Nations should pause in their greedy scramble for new territory while the getting is good to ask themselves: "Is it wise to take advantage of what is apparently an opportunity to profit by the inability of our opponents to resist?" Similarly in our own particular business, should not contractors ask themselves, "If I were compelled by necessity to build today, would I feel fairly treated if I had to pay the prices demanded?" Should not material producers and dealers say to themselves: "Is it right for me to ask the public under the stress of emergency produced by war conditions to pay the prices I am asking?" And the building mechanic ask himself: "If I were compelled to build would I wish to give the rate of pay for the service which I am giving?"

In each case the answer probably would be "No." But until the various interests throughout the world, whether national, state, municipal, group or individual employer or employee, so order their demands upon the rest of humanity, that they ask no more than they would voluntarily give in the same case, we shall have strife and turmoil in every department of society. In other words if the individual will lay aside self-interest, and work for the community as a whole, conditions will soon become normal.

There is nothing new in the problem of human existence. Today's problems are only a recurrence of what has gone before. Disputes have always been adjusted by one side or the other yielding to either force or persuasion. Therefore, why not clarify the present unsettled condition by anticipating what is surely coming to pass, by giving up untenable demands for intolerable conditions and by going ahead on the principle that what is objectively good for the other fellow is subjectively good for us? Some one must make the start. Why not do it now? Stabilize our own industry, and if possible, set an example to the rest of the world?

## COSTS OF CONSTRUCTION IN CHINA

All lumber for building in China is bought in the log. As soon as the logs begin to arrive the contractor tackles them with the sawyers. These men are paid piece rates which average about three cash or one-tenth of a cent per square foot of surface sawed. They average a better wage than a carpenter, getting about ten cents a day, as compared with eight cents a day for the day for the carpenter. At this rate they are cheaper than any steam sawmill that can operate in China. In fact, the only reason a sawmill can operate in China at all is because it can produce quickly and with a more even thickness than the native sawyers. The necessary doors, frames and window sashes are all made by hand. Three Chinese carpenters at eight cents a day with about the same work done by one American carpenter with all equipment. The work is well done if well supervised. The American carpenter has all his wood surfaced, so the Chinese carpenter is at a disadvantage. In comparison, I should say that about five Chinese carpenters at eight cents a day each are necessary to do the work of an American carpenter who receives $6 a day and has all his wood prepared for him.

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Hoisting Engines, Concrete Mixers, Cranes—Draglines Or any Construction Equipment
EQUIPMENT COR. OF AMERICA
Lumber Exchange Building,
Chicago, Illinois

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A. Mereen, Claremont Court.
Redwood City.
E. R. Diamond, Portola Road.
Burlingame.
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METAL PRODUCTS COMPANY OF CALIFORNIA
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# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

#### SAN FRANCISCO COUNTY.

| | | | |
|---|---|---|---|
| 1536 | Cox | Wagner | 40000 |
| 1537 | Solomons | Owner | 500 |
| 1538 | Hanrahan | Owner | 500 |
| 1539 | Holson | Henderson | 500 |
| 1540 | McDevitt | Little | 900 |
| 1541 | Micheletti | Amer. Conc. | 38000 |
| 1542 | Dempniak | Owner | 32500 |
| 1543 | Dunlap | Lapham | 900 |
| 1544 | Reynolds | Snell | 500 |
| 1545 | Steiger | Cassaty | 500 |
| 1546 | Frank | Owner | 4000 |
| 1547 | Pressory | Epstein | 500 |
| 1548 | Andrews | Owner | 500 |
| 1549 | Rolkin | Owner | 10000 |
| 1550 | Pope | O'Day | 2142 |
| 1551 | Tolliffe | Owner | 500 |
| 1552 | Fratessa | Fratessa | 2750 |
| 1553 | United R. R. | Chadwick | 25000 |
| 1554 | Stoff | Stoff | 10000 |
| 1555 | Ross | Evans | 2000 |
| 1556 | Garden | Morton | 6000 |
| 1557 | Andersen | Andersen | 29050 |
| 1558 | Hilder | Hamill | 18000 |
| 1559 | Wilson | Branch | 7500 |
| 1560 | Tubbs | Larsen | 1500 |
| 1561 | Munger | Owner | 4000 |
| 1562 | Wales | Ringaldo | 500 |
| 1563 | St. Luke's | Healing | 10000 |
| 1564 | Brubacker | Olsen | 800 |
| 1565 | Morris | Owner | 10000 |
| 1566 | Ondawa | Severin | 8963 |
| 1567 | Mission Ter | Ahnefeld | 4400 |
| 1568 | 1st Natl. Bank | Bender | 1560 |
| 1569 | Weidenfeld | Nelson | 12750 |
| 1570 | McCaffrey | Bovyer | 1489 |
| 1571 | Foster | Owner | 1800 |
| 1572 | Nelson | Owner | 4000 |
| 1573 | Nelson | Owner | 3000 |
| 1574 | Monroe | Anderson | 1000 |
| 1575 | Crocker | Samuelson | 7000 |
| 1576 | Bradford | Mohler | 5400 |
| 1577 | Siri | Seghieri | 14980 |
| 1578 | Penziner | Owner | 100000 |
| 1579 | National Carbon | Hannah | 360000 |
| 1580 | Central Iron | Brady | 500 |
| 1581 | Ginley | Owner | 9000 |
| 1582 | Ginley | Owner | 9000 |
| 1583 | Barduhn | Andrus | 500 |
| 1584 | Hotaling | Healey | 1000 |
| 1585 | Sunset Iron | Montgomery | 3500 |
| 1586 | Casta | Owner | 500 |
| 1587 | Schumacher | Pettersen | 2000 |
| 1588 | Meyerfeld | Ahl | 610 |
| 1589 | Potter | Mangelo | 1000 |
| 1590 | Balfour | Ludlow | 6390 |
| 1591 | Mottet | Horstmeyer | 4225 |
| 1592 | Brickell | Jensen | 17853 |

FRAME FLATS
(1533) W FRANKLIN 90 S Green S 30xW 110.4. Excavating, trenches, sewers and plumbing for two-story frame building (flats).
Owner—E. J. Pierron, 1796 Union St., San Francisco.
Architect—Fabre & Thayer, 110 Sutter St., San Francisco.
Contractor—Albach & Meyer, 85 Dorland St., San Francisco.
Filed June 5, '20. Dated June 4, '20.
Roughing in completed.....$546
Completed and accepted..... 546
Usual 35 days..... 364
TOTAL COST, $1456
Bond, $728. Sureties. Chas. Mayer and Wm. J. Ahlbach. Limit, as fast as required. Forfeit, $10. Plans and specifications filed.

RESIDENCE
(1536) N BROADWAY 172-6 E Buchanan. Three-story and basement frame residence.
Owner—Mrs. Vernon Skewes-Cox, 350 California St., San Francisco.
Architect—Bakewell and Brown, 251 Kearny St., San Francisco.
Contractor—George Wagner, 251 Kearny St., San Francisco.
COST, $40,000

GARAGE
(1537) SE BAY AND HYDE STS., Alter store for private garage.
Owner—L. L. Solomons, 825 Monadnock Bldg., San Francisco.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Day's work. COST, $500

ADDITION
(1538) NO. 624 BRUSSELS ST. Addition of three rooms to residence.
Owner—D. B. Hanrahan, 624 Brussels St., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1539) NW BUSH AND TAYLOR STS. Alterations for auto storage rooms.
Owner—Holson and Anderson, Bush and Taylor Sts., San Francisco.
Architect—None.
Contractor—W. D. Henderson, 619 Monadnock Bldg., San Francisco.
COST, $500

UNDERPIN
(1540) NO. 255 GOLDEN GATE AVE. Underpin west wall 3' deep and return 15' on south wall.
Owner—E. A. McDevitt, Eddy and Fulton Sts., San Francisco.
Architect—None.
Contractor—M. A. Little, 805 Bush St., San Francisco.
COST, $900

GARAGE
(1541) NW HYDE AND RUSSELL STS. Two-story and basement reinforced concrete garage.
Owner—Micheletti Estate, Care Architect.
Architect—August G. Headman, 747 New Call Bldg., San Francisco.
Contractor—American Concrete Co., Humboldt Bank Bldg., San Francisco.
COST, $38,000

APARTMENTS
(1542) SW LEAVENWORTH AND Vallejo Sts. Three-story and basement frame (12) apartments.
Owner—Michael Dempniak, 355 Octavia St., San Francisco.
Architect—None.
Owner—Day's work. COST, $32,500

GARAGE
(1543) SW SHORE VIEW AVE. AND 36th Ave. One-story frame (private) garage.
Owner—R. D. Dunlap, 7 Shoreview Ave., San Francisco.
Architect—None.
Contractor—R. E. Lapham, 2519 61st Ave., Oakland.
COST, $900

ADDITION AND ALTERATIONS
(1544) NO. 3835 TWENTY-SIXTH ST. Add one room and make minor change to residence.
Owner—George Reynolds, 3835 26th St., San Francisco.
Architect—None.
Contractor—E. H. Snell, 135 18th Ave., San Francisco.
COST, $500

ALTERATIONS
(1545) NOS. 638-40-42 BALBOA ST. Plaster front, etc., of flats.
Owner—Geo. Steiger, Monadnock Bldg. San Francisco.
Architect—None.
Contractor—Cassaty & Co., 2021 Anza St., San Francisco.
COST, $500

RESIDENCES
(1546) N CABRILLO 30 W 47th Ave. Two one-story and basement frame residences.
Owner—H. J. Frank, 825 Monadnock Bldg., San Francisco.
Architect—J. C. Hladik, Monadnock Bldg., San Francisco.
Day's work. COST, $4000 each

ALTERATIONS
(1547) NO. 125 ELLIS. Construct balcony in store.
Owner—The Pressory, Premises.
Architect—None.
Contractor—H. Epstein, 1009½ Golden Gate Ave., San Francisco.
COST, $500

GARAGE
(1548) NO. 4320 IRVING ST. One-story concrete private garage.
Owner—James Andrews, Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1549) N McALLISTER 137-6 W Leavenworth. Erect a portion of an additional story on rear of present five-story apartment house; reinforced brick walls, steel frame, etc.
Owner—Edw. Rolkin, Argonaut Hotel, San Francisco.
Architect—W. H.Crim Jr., 425 Kearny St., San Francisco.
COST, $10,000

EXCAVATING, ETC.
(1550) NW FOLSOM 145 SW Second SW 130xNW 135. All work for excavating, grading, removal of old walls on lot.
Owner—The Pope Estate Co., Kohl Bldg., San Francisco.
Architect—Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor—Daniel O'Day, 110 Jessie St., San Francisco.
Filed June 7, '20. Dated June 5, '20.
Completed and accepted$.....1606.50
36 days after..... 535.50
TOTAL COST, $2142.00
Bond, none. Limit, 30 days. Forfeit, $10. Plans and specifications filed.

ALTERATIONS
(1551) NW GOUGH AND VALLEJO Sts. Alter residence into flats.
Owner—Harriet H. Tolliffe, 1840 Broadway, San Francisco.
Plans by Owner.
Day's work. COST, $5,000

RESIDENCE
(1552) NO. 890 Gerard St. One-story and basement frame residence.
Owner—F. Fratessa, 896 Gerard St., San Francisco.
Architect—None.
Contractor—Jos. Fratessa, 896 Girard St., San Francisco.
COST, $2,750

POWER HOUSE
(1553) S STEVENSON 199 E 2nd. One-story Concrete and steel power house.
Owner—United Railroads of San Francisco, 58 Sutter St., San Francisco.
Architect—C. B. Farlow, 58 Sutter St., San Francisco.
Contractor—Chadwick and Sykes, Crocker Bldg., San Francisco.
COST, $25,000

STORE
(1554) N TURK 79-2 E LARKIN. One-story brick store.
Owner—L. and A. Stoff, Hotel Dunloe, City.
Architect—None.
Day's work. COST, $10,000

ALTERATIONS
(1555) NO. 3720 SACRAMENTO ST. Remodel and extend residence.
Owner—W. M. Ross, 3720 Sacramento St., San Francisco.
Architect—O. E. Evans, 2569 Mission St., San Francisco.
Contractor—O. E. Evans, 2569 Mission St., San Francisco.
COST, $2,000

RESIDENCE
(1556) W SAN PABLO AVE. 532 S Yerba Buena Ave. One-story and basement frame residence.
Owner—Garden Homes Co., 278 Post St., San Francisco.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, 180 Jessie St., San Francisco.
COST, $6,000

BUNGALOWS
(1557) LOTS 5, 6, 7, 8, 9, 10, 11, BLK. 3113 Westwood Park. All work for seven one-story frame bungalows.
Owner—Anna C. Andersen.
Architect—A. W. Smith, 1010 Broadway, San Francisco.

Contractor—Nels A. Andersen, 1927 Napa St., Berkeley.
Filed June 8, '20. Dated June —, '20.
Frames up and enclosed...$7,262.50
Brown coated ..... 7,262.50
Completed and accepted.... 7,262.50
Usual 35 days ..... 7,262.50
TOTAL COST, $29,050
Bond, $14,525. Sureties, S. B. Reed and Sarah J. Mann. Limit, 90 days after May 29th. Forfeit, none. Plans and specifications filed.

BUILDING
(1558) SW FIFTEENTH AVE AND Cabrillo S 100xW 27-6. All work for a two-story frame building (flats).
Owner—Rose A. and Louis Hilder, 746 9th Ave., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 707 42nd Ave., San Francisco.
Filed June 8, '20. Dated June 4, '20.
Rough frame up and roof boards on .....$5,000
Brown coated ..... 5,000
Completed and accepted..... 5,000
Usual 35 days..... 3,000
TOTAL COST $18,000
Bond, $9,000. Sureties, J. A. Hamill and Nathaniel Thompson. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported June 1, 1920. No. 1467.

DWELLING
(1559) N LAKE 60 W TWELFTH Ave. W 30xN 72. All work for one-story frame dwelling.
Owner—Miss Edith I. Wilson, 381 Bush St., San Francisco.
Architect—Benj. G. McDougall, 381 Bush St., San Francisco.
Contractor—Branch & Coffer, 228 Mills Bldg., San Francisco.
Filed June 8, '20. Dated June 7, '20.
Payments of 75% between 1st and 10th of each month.
Usual 35 days.....25%
TOTAL COST, $7,500
Bond, none. Limit, 70 days. Forfeit, $10. Plans and specifications filed.
NOTE—Permit also applied for today.

STORAGE ROOM
(1560) NO. 2126 BROADWAY. Construct storage room; reinforced bars in ten-inch wall, etc.
Owner—Mr. Tubbs, 2126 Broadway St., San Francisco.
Architect—M. G. West Co., 335 Market St., San Francisco.
Contractor—Larsen-Sampson Co., Claus Spreckels Bldg., San Francisco.
COST, $1,500

REPAIRS
(1561) NO. 1390 CALIFORNIA ST. Repair fire damage to hotel.
Owner—Bertha Munger, 1499 Sutter St., San Francisco.
Architect—None.
Day's work. COST, $4,000

STEPS
(1562) NO. 2638 LARKIN ST. Remove wood and replace with concrete steps for residence.
Owner—Jas. H. Wales, 2638 Larkin St., San Francisco.
Architect—None.
Contractor—A. Rinaldo, 71 Bernard St., San Francisco.
COST, $500

(1563) W VALENCIA 145 S ARMY. Alter two-story brick library building into clinic.
Owner—St. Luke's Hospital, 27th and Valencia Sts., San Francisco.
Architect—Lewis P. Hobart, 1122 Crocker Bldg., San Francisco.
Contractor—Geo. Healing, 110 Jessie St., San Francisco.
COST, $10,000

ALTERATIONS AND ADDITION
(1564) NO. 418 NAPLES ST. Alterations and additions for dwelling.
Owner—E. Brubacker, 418 Naples St., San Francisco.
Architect—None.
Contractor—Olaf Olsen, 2771 San Jose Ave., San Francisco.
COST, $800

DWELLING
(1565) E TWELFTH AVE. 225 N Fulton. Two-story and basement frame dwelling.
Owner—A. T. Morris, 501 11th Ave., San Francisco.
Architect—None.
Day's work. COST, $10,000

**RECORDED**

WAREHOUSE
(1566) SW BRYANT AND RINCON. Electric work for five-story reinforced concrete warehouse.
Owner—Ondawa Co., by Clinton Construction Co., 140 Townsend St., San Francisco.
Architect—Earl B. Scott, Humboldt Bk. Bldg., San Francisco.
Contractor—Severin Electric Co., 185 Stevenson St., San Francisco.
Filed June 9, '20. Dated June 7, '20.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $8963
Bond, limit, forfeit, plans and specifications, none.

BUNGALOW
(1567) LOTS 32 AND 33 BLK "D," Mission Terrace. All work for one-story bungalow.
Owner—Mission Terrace Co.,318 Kearny St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—Henry Ahnefeld, 554 Anderson St., San Francisco.
Filed June 9, '20. Dated May 21, '20.
Frame up and enclosed.....$1100
Brown coated ..... 1100
Completed and accepted..... 1100
Usual 35 days..... 1100
TOTAL COST, $4400
Bond, $2200. Sureties, H. S. Thomson and W. F. Mariani. Limit, forfeit, none. Plans and specifications filed.

ROOF
(1568 W MONTGOMERY 75 N Post W 160xN 100. All work for 5-ply Mastic Membrane roof.
Owner—The First National Bank, Prem
Architect—C. O. Gottschalk, Phelan Bldg., San Francisco.
Contractor—J. W. Bender Roofing & Paving Co., Monadnock Bldg., San Francisco.
Filed June 9, '20. Dated June 7, '20.
On completion and acceptance. 75%
Usual 35 days..... 25%
TOTAL COST, $1560
Bond, $1560. Sureties, Jas. S. Fennell and Chas. Stockholm. Limit, 15 days. Forfeit, none. Plans and specifications filed.

**PERMITS**

BUNGALOW
(1569) LOTS 5 and 6, BLK. 3133, Westwood Park. Two-story frame bungalow.
Owner—Harold K. Weidenfeld, 311 California St., San Francisco.
Architect—Chas. F. Strothoff, 15th St., San Francisco.
Contractor—Nelson Bros., 1375 Plymouth Ave., San Francisco.
Filed June 9, '20. Dated June 3, '20.
Frame up and enclosed.....$2,727.50
Brown coated ..... 2,727.50
Completed and accepted.... 2,727.50
Usual 35 days..... 2,727.50
Balance $1,840 to be secured....
By deed of trust .....
TOTAL COST, $12,750
Bond, $6,375. Sureties, Chas. Monson and Edwin T. Peterson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

NE Portola Drive and St. Francis Blvd. Alter for sun porch. Cost, $1500 Owner, Mrs. J. E. Wilkens.

E Plymouth Ave 182 and 262 N Montecito. Two one-story frame dwellings. Cost, $6000 each. Owner, Nelson Bros.

E Westwood Drive 165 N Wildwood. One-story frame dwelling. Cost, $8480. Owner, Edith H. Lindy.

E Plymouth Ave 336 N Montecito. One-story frame dwelling. Cost, $6000. Owner, Nelson Bros.

E Miramar Ave 175 N Holloway. One story frame dwelling. Cost, $4000. Owner, D. Tiscornia.

E Eighth 100 S Folsom. Alterations. Cost, $500. Owner, Galland Mercantile Laundry.

255 Golden Gate Ave. Alter for sales room. Cost, $900. Owner, E. A. McDevitt.

E 21st Ave 250 S Bolboa. One-story frame dwelling. Cost, $5000. Owner, S. A. Wood.

E 21st Ave 225 S Balboa. One-story frame dwelling. Cost, $5000. Owner, J. H. Thorup.

W Valencia 45 S Army. Alter for hospital clinic. Cost, $10,000. Owner, St. Lukes Hospital.

REPAIRS
(1570) NO. 2184-6-8 BUSH ST. Repair fire damage to flats; T & G roof; rustic siding, painting, etc.
Owner—Agnes M. McCaffrey, Oakland, Calif.
Architect—None.
Contractor—Boyyer and Sons, 2407 California St., San Francisco.
COST, $1,489

ROOF SIGN
(1571) GORE, MARKET AND GEARY Sts. No. 702 Market St. Erect 30x40 roof sign.
Owner—Foster and Kleiser Co., 273 Valencia St., San Francisco.
Architect—Owners.
Day's work. COST, $1,800

DWELLING
(1572) NW TWENTY-SIXTH AVE. and Balboa. One-story and basement frame dwelling.
Owner—N. J. Nelson, 715 26th Ave., San Francisco.
Architect—None.
Day's work. COST, $4,000

DWELLING
(1573) N BALBOA 75 W 26th Ave. One-story and basement frame dwelling.
Owner—N. J. Nelson, 715 26th Ave., San Francisco.
Architect—None.
Day's work. COST, $3,000

ADDITION
(1574) NO. 3864 JACKSON ST. Addition of sleeping porch to residence.
Owner—Murial Burnham Monroe, 3036 Regent St., Berkeley, Calif.
Architect—S. L. Hyman, Crocker Bldg., San Francisco.
Contractor—Anderson & Co., 1623 Eddy St., San Francisco.
COST, $1,000

RESIDENCE
(1575) N ROLPH 200 E NAPLES. Two-story and basement frame residence.
Owner—Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—None.
Contractor—A. M. Samuelson, 290 Rolph St., San Francisco.
COST, $7,000

RESIDENCE
(1576) E TWENTY-FOURTH AVE. 275 N Anza. One-story and basement frame residence.
Owner—Wm. Bradford, 319-28th Ave., San Francisco.
Architect—None.
Contractor—T. E. Mohler, 380 5th Ave., San Francisco.
COST, $5,400

GARAGE AND MACHINE SHOP
(1577) N BUSH 106-3 W WEBSTER N 80 W 23 N 47-6 W 52 S 127-6 E 75. All work for a one-story reinforced concrete garage and machine shop.
Owner—A. Siri.
Architect—Thomas Bros., 235 Montgomery St., San Francisco.
Contractor—A. Seghieri and Bros., 35 Cook St., San Francisco.
Filed June 10, '20. Dated June 8, '20.
Forms for concrete walls done .....$2,808.75
Forms filled..... 2,808.75
Concrete forms removed.... 2,808.75
Completed and accepted.... 2,808.75
Usual 35 days..... 3,745.00
TOTAL COST, $14,980
Bond, $7,500. Sureties, J. Tarnocchia and P. Carmignani. Limit, 75 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(1578) SE BUSH AND TAYLOR STS. Six-story and basement reinforced concrete forty-sevent apartments.
Owner—A. Penziner, 745 Baker St., San Francisco.
Architect—E. H. Denke, 1317 Hyde St., San Francisco.
Day's work. COST, $100,000

MANUFACTURING PLANT
(1579) S BRANNAN 150 E 8th. Reinforced concrete manufacturing plant.
Owner—National Carbon Co., 8th and Brannan Sts., San Francisco.
Engineer—Maurice Couchet, 110 Sutter St., San Francisco.
Contractor—Hannah Bros., 142 Sansome, St., San Francisco.
COST, $360,000

WALL
(1580) W BRYANT 125 S 18th. Erect brick wall at front of shed.
Owner—Central Iron Works, Bryant St. bet. 18th and 19th Sts., San Francisco.
Architect—D. C. Coleman, 14 Montgomery St., San Francisco.
Contractor—M. V. Brady, Monadnock Bldg., San Francisco. COST, $500

FLATS
(1581) E FUNSTON AVE. 175 S Geary. Two-story and basement frame (2) flats.
Owner—E. Ginley, 131 5th Ave., San Francisco.
Architect—None.
Day's work. COST, $9,000

FLATS
(1582) E FUNSTON AVE. 200 S. Geary. Two-story and basement frame (2) flats.
Owner—E. Ginley, 131 5th Ave., San Francisco.
Architect—None.
Day's work. COST, $9,000

ALTERATIONS
(1583) NO. 1650 GROVE ST. Alter front. Concrete floor for private garage.
Owner—Geo. Barduhn, 1650 Grove St., San Francisco.
Architect—None.
Contractor—Chas. Andrus, 1825 Ellis St., San Francisco. COST, $500

SHOW WINDOWS
(1584) HAIGHT AND MARKET STS., (No. 3 Gough St.) Remove partition; contruct show windows for restaurant.
Owner—A. P. Hotaling, ———.
Architect—None.
Contractor—Thomas Healey, ———. COST, $1,000

SHOP
(1585) N HARRISON 245 E 6th. One-story frame shop.
Owner—Sunset Iron Works, 1124 Folsom St., San Francisco.
Architect—None.
Contractor—E. J. Montgomery, 1320 Broadway, San Francisco. COST, $3,500

(1586) NO. 435 LONDON ST. Move residence; new foundation, etc.
Owner—Roland L. Gasta, 53 Lee Ave., San Francisco.
Architect—None.
Day' work. COST, $500

(1587) S MISSION 302-6 NE Virginia. Addition of one-story frame for offices.
Owner—F. Schumacher, 1105 Nevada Bank Bldg., San Francisco.
Architect—E. A. Schumacher, 1105 Nevada Bank Bldg., San Francisco.
Contractor—G. Pettersen, 35 Montgomery St., San Francisco. COST, $2,000

ALTERATIONS
(1588) NO. 10 MARKET ST. Rearrange front of restaurant.
Owner—Herbert Meyerfeld, 40 Eddy St., San Francisco.
Architect—None.
Contractor—G. E. Ahl, 1237 2nd Ave., San Francisco. COST, $610

ALTERATIONS
(1589) W TWENTY-SECOND AVE. 80 S Lake. Alter for basement garage; brick steps; hardwood floors, etc., for residence.
Owner—E. S. Potter, 143 California St., San Francisco.
Architect—Mangels Bros., 1142 Naples St., San Francisco. COST, $1,000

DRINKING WATER SYSTEM
(1590) SE CALIFORNIA AND SANsome S 89 E 129.934. Chilled drinking water system for fifteen-story Class "A" office building.
Owner—The Balfour Guthrie Investment Co. by P. J. Walker Co., (contractor), Monadnock Bldg., San Francisco.
Architect—G. W. Kelham, Sharon Bldg., San Francisco.
Contractor—Jas. T. Ludlow, 604 Mission St., San Francisco.
Filed June 11, '20. Dated June 4 '20. Payments of 75% on 10th of each month..... 25%
Usual 35 days..... 25%
TOTAL COST, $6,390
Bond, $3,195. Sureties, The Fidelity & Casualty Co. Limit, as fast as required. Forfeit, none. Plans and specifications filed.

ALTERATIONS AND ADDITIONS
(1591) NO. 190 THIRD ST. Alterations and additions to Milton Hotel.
Owner—Henry Mottel, 1030 Leavenworth, San Francisco.
Architect—Not given.
Contractor—Wm. Horstmeyer Co., 31 Ord St., San Francisco.
Filed June 11, '20. Dated June 8, '20.
Main shaft roughed in.....$293.75
Small shaft roughed in..... 293.75
Stairs and front house in..... 293.75
Completed ..... 293.75
Usual 35 days.....1050.00
TOTAL COST, $4,425.00
Bond, limit, forfeit, none. Plans and specifications filed

BUILDING
(1592) SE MARKET 125 SW 2nd SW 25xSE 91-6. All work except electric work, electric fixtures and shades for a two-story and basement reinforced concrete building.
Owner—John C. Brickell, Lick Bldg., San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed June 11, '20. Dated June 10, '20. Payments of 75% on 1st of each month ..... .....
Usual 35 days .....25%
TOTAL COST, $17,853
none. Plans and specifications filed. Bond, none. Limit, 90 days. Forfeit,

## COMPLETION NOTICES

### SAN FRANCISCO.

June 8, 1920—W GOLDEN GATE AV 40 N Broderick W 87-6xN 50. Edwin T Peterson & James Welsh to James Welsh.....June 8, 1920
June 7, 1920—W TWENTIETH AVE 75 S Cabrillo S 25xW 70; SW Cabrillo and 20th Ave W 70xS 25. Jacob Weissbein to Theedore G & Rollin E Meyer.....June 7, 1920
June 7, 1920—E FIFTH AVE 285 S Cabrillo S 25xE 120. Jas S Mulvey to Alex MacKillop.....May 28, 1920
June 4, 1920—S ANZA 30 W TWENtieth Ave. O. M. Oyen & P. Midbust to whom it may concern..... .....June 2, 1920
June 4, 1920—SW ANZA AND TWENtieth Ave. O. M. Oyen & P. Midbust to whom it may concern..... .....June 2, 1920
June 4, 1920—SE GOLDEN GATE Ave. and Larkin E 87-6xS 137-6. Skelly Estate Co. to Anderson & Ringrose.....June 1, 1920
June 4, 1920—W TWENTIETH AVE 25 S Cabrillo S 50xW 70. Rollin E Meyers to Meyer Bros...June 1, 1920
June 4, 1920—NE MUNICH 209.17 SE Naples SE 39 N 100 W 35.055 S 100 Lot 28 and W ½ Lot 27 Blk. 25 Crocker Amazon Tract; NE Munich 248.17 SE Naples SE 39 N 100 W 25.055 S 100 Lot 26 and E ½ Lot 27 Blk. 25 Crocker Amazon Tract. Russel J Wilson to whom it may concern.....June 4, 1920
June 10, 1920—N 18th 125 E MISSION N 92xE24. Joseph Castagne to Bourdieu & Lauchere...Mar. 7, 1920
June 10, 1920—S WGEARY AND 15th Ave. W 142 S 100 E 39-5½ SE 0-5¾ E 102-5¾ — 105 Ben Schloss to R Zelinsky..June 4, 1920
June 10, 1920—NW LAUREL AND Washington W 82-6 N 100. C. J. Hillard to Roy Geary and J. Harold Johnson, June 3; L. J. Neal .....June 1, 1920
June 10, 1920—NO. 783 MARKET Humboldt Savings Bank to Cal. Artistic Metal & Wire Co..... .....June 8, 1920
June 10, 1920—SW GEARY AND 15th Ave. W 142 S 100 E 39-5½ SE 5-0¾ E 102-5¾ — 105. Ben Schloss to Geo. N. Zaro..May 1, 1920 .....June 8, 1920
June 10, 1920—LOT 6, BLK. 3175 Westwood Park. Linnie Morris to Gordon W. Morris.....June 8, 1920
June 10, 1920—W EASTWOOD DRIVE with W line Lot 2 SE 135.255 S 89-deg. 51' 19" W 89.344 N 0-deg. 24' W 99.699 pts. Lots 2 and 3, Blk. 3164 Westwood Park. Linnie Morris to Gordon W. Morris.....
June 11, 1920—S CALIFORNIA 41 W Front 205-209 California. Messrs. P. C. Jolmes and J. O. Falkinham to Alfred H. Vogt.....June 10, 1920
June 11, 1920—N PINE 115-1½ W Leavenworth. W 84-4½xN 137-6. J. A. Hater to Messrs. Palmer & Petersen.....June 8, 1920

## LIENS FILED

### San Francisco County.

Recorded Amount
June 8, 1920—SW SACRAMENTO & Gough S 55xW 100. M Flatland (as Globe Elec. Wks.) vs W Stulsaft Co and Thos A Cavanaugh...$2071.20
June 8, 1920—SW SACRAMENTO & Gough S 55xW 100. W P Fuller & Co vs Thos A Cavanaugh, Lafayette Invst Co and M Stulsaft Co....$1912
June 8, 1920—SW SACRAMENTO & Gough S 55xW 100. Joseph Silveria (as Morrison & Co) vs M Stulsaft Co and Thos A Cavanaugh.....$620
June 8, 1920—SW SACRAMENTO & Gough S 55xW 100. H M McClure vs M Stulsaft Co and Thos A Cavanaugh ..... .....$384
June 8, 1920—SW SACRAMENTO & Gough S 55xW 100. H E Drake vs Lafayette Invst Co and M Stulsaft Co and Thos A Cavanaugh...$2332.50
June 8, 1920—SW SACRAMENTO & Gough W 100xS 55. Vitrolite Construction Co vs Lafayette Invst Co M Stulsaft Co and Thos A Cavanaugh .....$3154.70
June 9, 1920—NW PIERCE AND Fulton 48x108. Chas J Stuart vs M McCormick and Mrs L Ransdall .....$300
June 9, 1920—SW SACRAMENTO & Gough S 55xW 100. Leihart Lumber & Planing Mill Co vs Thos A Cavanaugh, Lafayette Invst Co and M Stulsaft Co .....$3074.50
June 9, 1920—SW SACRAMENTO & Gough W 100xS 55. L S Peirano vs Lafayette Invst Co and Thos A Cavanaugh .....$222
June 9, 1920—SW SACRAMENTO & Gough S 55xW 100. O F Larson and Philip Larson (as O F Larson & Son) vs Thos A Cavanaugh, Lafayette Invst Co and M Stulsaft .....$280
June 9, 1920—SW SACRAMENTO & Gough S 55xW 100. Herman Hallersleben vs Thos A Cavanaugh, Lafayette Invst Co and M Stulsaft Co .....$1396
June 9, 1920—SW SACRAMENTO & Gough S 55xW 100. Andrew Berg, Victor Berg and Joseph Silveria (as Morrison & Co) vs Lafayette Invst Co, M Stulsaft and Thos A Cavanaugh .....$630
June 9, 1920—SW SACRAMENTO & Gough S 55xW 100. H E Drake vs Lafayette Invst Co, M Stulsaft and Thos A Cavanaugh.....$2332.50
June 9, 1920—SW SACRAMENTO & Gough S 55xW 100. H N McClure vs Lafayette Invst Co, M Stulsaft and Thos A Cavanaugh.....$384
June 9, 1920—SW SACRAMENTO & Gough W 100xS 55. S & H Ginsberg (as Ginsberg Tile Co) vs Thos A Cavanaugh and Lafayette Invst Co ..... .....$496
June 9, 1920—SW SACRAMENTO & Gough S 55xW 100. Edwin T Peterson vs M Stulsaft Co and Lafayette Invst Co.....$1981

## LEASES

### SAN FRANCISCO COUNTY.

June 9, 1920—S GEARY 75 E 17th Ave No. 5237 Geary. Jas H Dignan to Augustus H Warmbold. 5 years. $2250.

## Notice of Non-Responsibility

### SAN FRANCISCO COUNTY.

June 9, 1920—E FORTY-FOURTH AV 150 S Geary S 25xE 120. Marie Forman as to improvements on leased property .....

### ARCHITECT'S CERTIFICATE.

#### San Francisco County.

June 10, 1920—Edward G. Gardner has filed his certificate of architecture for San Francisco County.

## BUILDING CONTRACTS

**Alameda County.**

| | | | |
|---|---|---|---|
| 1291 | Shell | Gutleben | 2500 |
| 1292 | Shields | Owner | 2000 |
| 1293 | Cherry | Brown | 475 |
| 1294 | Bkly Bd Ed | —— | 361000 |
| 1295 | Spence | Owner | 6000 |
| 1296 | Cabral | Souza | 750 |
| 1297 | Mersich | Owner | 800 |
| 1298 | Baker | Cederberg | 800 |
| 1299 | Griffin | Nolan | 800 |
| 1300 | Kee | Sheridan | 800 |
| 1301 | McCaslin | Olson | 10630 |
| 1302 | Cahill | Cahill | 400 |
| 1303 | Town | Jones | 2950 |
| 1304 | Pac. Guano | Austin | 30000 |
| 1305 | Hill | Nottingham | 3454 |
| 1306 | Havens | Graff | 15000 |
| 1307 | Havens | Graff | 15000 |
| 1308 | Liddon | Owner | 500 |
| 1309 | Pauch | Kelty | 475 |
| 1310 | Federal Rlty. | Van Ness | 2900 |
| 1311 | Rulin | Allen | 1800 |
| 1312 | Mathias | Bartlett | 800 |
| 1313 | Bonnemazon | Schnebly | 7600 |
| 1314 | Eberley | Owner | 3000 |
| 1315 | Lundholm | Owner | 4500 |
| 1316 | Alta Piedmont | MacGrgor | 7500 |
| 1317 | Alta Piedmont | MacGregor | 9350 |
| 1318 | Peters | Corbett | 400 |
| 1319 | Ernest | Sappington | 690 |
| 1320 | Braddey | Woody | 500 |
| 1321 | Audiffied | Nelson | 18000 |
| 1322 | Helmke | Edwards | 800 |
| 1323 | Donahue | Malley | 1000 |
| 1324 | Darwin | Kidder | 950 |
| 1325 | Erickson | Pine | 2500 |
| 1326 | Wickman | Pedgrift | 450 |
| 1327 | WP R R | Amer Dredg | —— |
| 1328 | Wolter | Wilson | 500 |
| 1329 | Bordwell | Allen | 1878 |
| 1330 | Robinson | Morse | 440 |
| 1331 | Widgren | Peterson | 500 |
| 1332 | Parker | Brumfield | 300 |
| 1333 | Pierotti | Perona | 500 |
| 1334 | National Ice | Nelson | 10000 |
| 1335 | Wickman | Owner | 300 |
| 1336 | Baumann | Owner | 2500 |
| 1337 | Ford | Bay City | 1000 |
| 1338 | Chanquet | Hambleton | 1725 |
| 1339 | Hassler | Johnson | 8540 |

SERVICE STATION
(1291) SW COR. GRAND AVE AND Ellita St., Oakland. One service station.
Owner—Shell Co.
Architect—Chester H. Miller, New Call Bldg., San Francisco.
Contractor—Gutleben Bros., New Call Bldg., San Francisco.
COST, $2,500

ALTERATIONS
(1292) NO. 1257 FIFTY-SECOND AVE Oakland. Alterations.
Owner—F. W. Shields, 1320 3rd St., Berkeley.
Architect—None.
Day's work. COST, $2,000

SHED
(1293) NO. 1147 SHATTUCK AVE., Berkeley. Shed.
Owner—J. S. Cherry, 1308 Oxford St., Berkeley.
Architect—None.
Contractor—E. A. Brown, 1604 Shattuck Ave., Berkeley.
COST, $475

HIGH SCHOOL
(1294) S KITTRIDGE 160 W Milvia, Berkeley. Three-story high school.
Owner—Berkeley High School.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.
Sub Contractors. Cost, $361,000

DWELLING AND GARAGE
(1295) S ANNERLY ROAD 40 E Harvard Road, Oakland. Two-story seven-room dwelling and garage.
Owner—E. A. Spencer, 577 Apgar St., Oakland.
Architect—None.
Day's work. COST, $6,400

DWELLING
(1296) N BOLHMER ST. 120 E 29th Ave., Oakland. One-story four-room dwelling.
Owner—Tony Cabral, 2810 Bolhmer St., Oakland.
Architect—None.
Contractor—J. F. Souza, 605 29th Ave., Oakland.
COST, $750

DWELLING
(1297) W CLARA 175 S OSCAR, Oakland. One-story four-room dwelling.
Owner—J. S. Mersich, 2214 Clinton St., Alameda.
Architect—None.
Day's work. COST, $800

GARAGE
(1298) NO. 6118 Ocean View Drive, Oakland. Garage.
Owner—W. O. Baker, Premises.
Architect—None.
Contractor—A. Cederborg, 1445 E-37th St., Oakland.
COST, $800

ALTERATIONS
(1299) NE PIEDMONT AND LINDA Ave., Oakland. Alterations.
Owner—C. C. Griffin, 4154 Piedmont Ave., Oakland.
Architect—None.
Contractor—M. F. Nolan.
COST, $800

ALTERATIONS
(1300) NOS. 425-427-429 TENTH ST., Oakland. Alterations.
Owner—Gee Sam Kee, Premises.
Architect—None.
Contractor—Robt. E. Sheridan Co., 351 11th St., Oakland.
COST, $800

STORE
(1301) N TWENTY-THIRD ST. 100 W Broadway, Oakland. One-story hollow tile store.
Owner—Mrs. Lillian McCaslin.
Architect—Claude B. Barton, 364 Staten, Oakland.
Contractor—Alfred Olson, Everson Bldg., Oakland.
COST, $10,630

ADDITION
(1302) NO. 1829 ALCATRAZ AVE., Berkeley. Addition.
Owner—A. W. Cahill, Premises.
Architect—None.
Day's work. COST, $400

ALTERATIONS
(1303) NO. 2401 DWIGHT WAY, Berkeley. All work for alterations and addition to club house.
Owner—Town & Gown Club, Premises.
Architect—Robert Gwynne Officer, Berkeley Bank Bldg., Berkeley.
Contractor—W. P. Jones, 2218 Los Angeles Ave., Berkeley.
Filed June 8, '20. Dated June 7, '20.
1st of July..... 35%
Completed and accepted..... 40%
Usual 35 days..... 25%
TOTAL COST, $2950
Bond, $1475. Sureties, Charles W. Knight and Charles A. Haws. Limit, 50 days. Forfeit, none. Plans and specifications filed.

WAREHOUSE
(1304) FIRST ST. 200 from Delaware St., Berkeley. One-story 1-room Class "C" warehouse.
Owner—Pacific Guano Fertilizer Co., Premises.
Contractor—The Austin Co., 936 Pacific Bldg., San Francisco.
COST, $30,000

HEATING SYSTEM
(1305) N BELLEVUE AVE 250 S Grand Ave, being Lot 8 Blk 22 Map Lakeside Tract, Adams Point Property, Oakland. All work for hot water heating and oil burning system for three-story frame apartments.
Owner—H. G. Hill, 1561 Jackson St., Oakland.
Architect—McCall & Wythe, Central Bank Bldg., Oakland.
Contractor—W. K. Nottingham, 466 41st St., Oakland.
Filed June 8, '20. Dated June 7, '20.
Attic pipes installed..... $300
Riser pipes installed..... 125
Basement pipes installed..... 300
Attic and basement pipes covered 130
Heaters set ..... 548
Heaters and tank covered..... 220
Radiators set ..... 719
Oil tank installed..... 400
Oil burners installed..... 510
Completed and accepted..... 202
TOTAL COST, $3454
Bond, $1730. Surety, J. H. Nedderman. Limit, 90 days. Forfeit, $1. Plans and specifications filed.

DWELLING
(1306) N ARDMORE AVE 575 W Mandana Blvd., Oakland. Two-story ten-room frame dwelling.
Owner— Wickham Havens.
Architect—Hutchinson & Mills, Syndicate Bldg., Oakland.
Contractor—Edwin C. Graff, 355 12th St., Oakland.
COST, $15,000

DWELLING
(1307) N ASHMOUNT AVE 75 W Mandaro Bldg., Oakland. Two-story ten-room dwelling.
Owner—Wickham Havens.
Architect—Hutchinson & Mills, Syndicate Bldg., Oakland.
Contractor—Edwin C. Graff, 355 12th St., Oakland.
COST, $15,000

DWELLING
(1308) CHEVROLET ACRES, Oakland. One-story three-room dwelling.
Owner—Wm. C. Liddon, 14 Randwick Ave., Oakland.
Architect—None.
Day's work. COST, $500

ADDITION
(1309) NO. 6144 FREMONT ST., Oakland. Addition.
Owner—Mr. Pauch, Premises.
Architect—None.
Contractor—J. T. Kelty, 6439 Herzog St., Oakland.
COST, $475

DWELLING
(1310) N REDWOOD ROAD opp. Carlston, Oakland. One-story five-room dwelling.
Owner—Federal Realty Co.
Architect—None.
Contractor—L. E. Van Ness, Box 4339, R. F. D. No. 1, Oakland.
COST, $2,900

GARAGE
(1311) NO. 29 DOMINGO AVE., Berkeley. Concrete garage.
Owner—Paul R. Rulin, Premises.
Architect—None.
Contractor—T. E. Allen, 3090 King St., Berkeley.
COST, $1,800

ADDITION
(1312) NO. 54 TUNNEL AVE., Berkeley. Addition.
Owner—J. Mathias, Premises.
Architect—None.
Contractor—John M. Bartlett, 357 12th St., Oakland.
COST, $800

SALES ROOM
(1313) NO. 2412 CENTRAL AVE., Alameda. One-story brick sales room.
Owner—Clement Bonnemazon, Premises.
Architect—None.
Contractor—Schnebly & Hostrawser, 6th and Jackson Sts., Oakland.
COST, $7,600

ALTERATIONS
(1314) NO. 1438 PARK ST., Alameda. Alterations.
Owner—D. A. Eberley, 1440 Park St., Alameda.
Architect—None.
Day's work. COST, $3,000

DWELLING
(1315) NO. 1717 WOOD ST., Alameda. One-story six-room magnesite stone dwelling.
Owner—John M. Lundholm, Premises.
Architect—None.
Day's work. COST, $4,500

DWELLING
(1316) S ARDMORE 558 W MANdana Blvd., Oakland. Two-story eight-room dwelling.
Owner—Alta Piedmont Land Co., Syndicate Bldg., Oakland.
Architect—None.
Contractor—C. M. MacGregor 470 13th St., Oakland.
COST, $7,500

DWELLING
(1317) S ARDMORE 100 E Portal Road, Oakland. Two-story eight-room frame dwelling.
Owner—Alta Piedmont Land Co., Syndicate Bldg., Oakland.
Architect—None.
Contractor—C. M. MacGregor 470 13th St., Oakland.
COST, $9,350

ALTERATIONS
(1318) NO. 467 EIGHTH ST., Oakland. Alterations.
Owner—John Peters, Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland.
COST, $400

ADDITION
(1319) NO. 1923 E-SEVENTEENTH St., Oakland. Addition.
Owner—Mrs. Frank Ernest.
Architect—None.
Contractor—W. A. Sappington, 145 13th St., Oakland.
COST, $690

ADDITION
(1320) NO. 5830 NOBLE ST., Oakland. Addtion.
Owner—Mrs. Braddey, Premises.
Architect—None.
Contractor—C. S. Woody, 935 Delaware St., Berkeley.
COST, $500

WAREHOUSE
(1321) NE COR. THIRD AND JEFferson Sts., Oakland. One-story concrete warehouse.
Owner—Audiffred Estate, Oakland.
Architect—None.
Contractor—Nelson & Forsyth, Easton Bldg., Oakland.
COST, $18,000

REPAIRS
(1322) NO. 563 TENTH ST., Oakland. Fire repairs.
Owner—J. W. Helmke, 714 E-14th St., Oakland.
Architect—None.
Contractor—H. J. Edwards, 1215 Poplar St., Oakland.
COST, $800

ALTERATIONS
(1323) SE COR. TWENTY-THIRD & San Pablo, Oakland. Alterationa.
Owner—W. H. Donahue.
Architect—None.
Contractor—F. F. Malley, 900 Lakeshore Ave., Oakland.
COST, $1,000

GARAGE AND PUMPING PLANT
(1324) NO. 10 ENCINA PLACE, Berkeley. Garage and pumping plant.
Owner—J. C. Darnin, Premises.
Architect—None.
Contractor—H. C. Kidder, 2075 Addison St., Berkeley.
COST, $950

DWELLING
(1325) SE COR. FRANCISCO AND Grant, Berkeley. One-story five-room dwelling.
Owner—C. O. Erickson, 1729 Grant St., Berkeley.
Architect—None.
Contractor—Henry Pine, 2105 University Ave., Berkeley.
COST, $2,500

ALTERATIONS
(1326) NO. 2929 FOREST AVE., Berkeley. Alterations.
Owner—Mrs. Wickman, Premises.
Architect—None.
Contractor—Jas. H. Pedgrift, 351 12th St., Oakland.
COST, $450

DREDGING
(1327) SOUTH OF AND ADJACENT to South Dock of the Oakland mole of the Company, Oakland. All work for dredging .
Owner—Western Pacific Railroad Co., Mills Bldg., San Francisco.
Architect—None.
Contractor—American Dredging Co., 255 California St., San Francisco.
Filed June 10, '20. Dated May 13, '20.
Completed ..... 75%
30 days after..... 25%
TOTAL COST, $1.00 per cu. yd.
Bond, $6500. Surety, London & Lancashire Indemnity Co. of America. Limit, 30 days. Forfeit, none. Specifications only filed.

REPAIRS
(1328) NO. 2906 ELLSWORTH, Berkeley. Repairs.
Owner—W. H. Wolter, Premises.
Architect—None.
Contractor—Mr. Wilson.
COST, $500

FIRE REPAIRS
(1329) NO. 262 HILLCREST ROAD, Berkeley. Fire repairs.
Owner—Geo. Otis Bordwell, Premises.
Architect—None.
Contractor—T. E. Allen, 2718 Regent St., Berkeley.
COST, $1,878

ADDITION
(1330) NO. 1424 SCENIC AVE., Berkeley. Addition.
Owner—G. H. Robinson, Premises.
Architect—None.
Contractor—T. O. Morse, 1298 Scenic Ave., Berkeley.
COST, $440

DWELLING
(1331) N BROOKDALE 40 W Short, Oakland. One-story two-room dwelling.
Owner—Carl Widgren, 2138 Mitchell St., Oakland.
Architect—None.
Contractor—J. Peterson, 1230 E-16th St., Oakland.
COST, $500

MARQUEE
(1332) NO. 1128 BROADWAY, Oakland. Marquee.
Owner—Painless Parker.
Architect—None.
Contractor—Brumfield Elec. Sign Co., 18 7th St., San Francisco.
COST, $300

ALTERATIONS
(1333) NO. 833 E- FIFTEENTH ST., Oakland. Alterations.
Owner—Joe Pierotti.
Architect—None.
Contractor—John Perona, 570 7th St., Oakland.
COST, $500

ICE PLANT
(1334) E MARKET ST. 100 N 1st St., Oakland. Three-story concrete ice plant.
Owner—National Ice Co., 2nd and Market Sts., Oakland.
Architect—None.
Contractor—Nelson & Forsyth, Easton Bldg., Oakland.
COST. $10,000

ALTERATIONS
(1335) NO. 675 NINETY-EIGHTH AVE., Oakland. Alterations.
Owner—John Wickman, Premises.
Architect—None.
Day's work. COST, $300

DWELLING
(1336) E SEVENTY-SEVENTH AVE. 130 N Hillside, Oakland. One-story five-room dwelling.
Owner—Fred Baumann, 2000 45th Ave., Oakland.
Architect—None.
Day's work. COST, $2,500

ALTERATIONS
(1337) NO. 375 THIRTEENTH ST., Oakland. Alterations.
Owner—C. W. R Ford Co.
Architect—None.
Contractor—Bay City Cabinet Co., 1080 5th St., Oakland.
COST, $1,000

STORE ROOM
(1338) NO. 713 WASHINGTON, Oakland. One-story concrete store room.
Owner—P. Chauquet, 934 E-18th St., Oakland.
Architect—None.
Contractor—Fred Hambleton, 3737 13th Ave., Oakland.
COST, $1,725

DWELLING
(1339) LOT 31 BLK. 8, Map Central Piedmont, Piedmont Tract, Piedmont. One-story and base frame dwelling.
Owner—J. F. Hassler, 308 Elwood Ave., Oakland.
Architect—A. W. Smith, 1010 Broadway, Oakland.
Contractor—Louis Johnson & Edward Johnson, 223 Greenbank Ave., Piedmont.
Filed June 11, '20. Dated June 10, '20.
Frame up..... ¼
Brown coated ..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, $8,540
Bond, 4,500. Sureties, Annie E. Johnson and Henry M. Anderson. Limit, Sept. 10. Forfeit, $50. Plans and specifications filed.

## COMPLETION NOTICES

**Alameda County**

June 9, 1920—W LOCKSLEY AVE 268.74 N Clifton N 30xW 100, Okd. E A Janssen to whom it may concern.....June 7, 1920
June 5, 1920—NE COR. RIDGEWAY and Howe Sts., Oakland. Roman Catholic Archbishop of San Francisco to Harry McCullough.....May 27, 1920

## RELEASE OF LIENS

**Alameda County**

June 10, 1920—LOT 16 and N 10 Lot 17 Map Adeline Homestead No. 1, Okd. Chamberlain & Osgood, $41.55; G H Andrews, $80 to Frank Svoboda and W E Boyd.....

## HOMESTEADS

**ALAMEDA COUNTY.**

June 10,1920—E CASTRO ST. 125 N 7th St. E 75 N 25, Oakland. Josephine G. Sagehorn (wf Wilhelm D.) .....$4,400
June 10, 1920—SE PARK ST. AND Blanding Ave. S 50 E 144-½" N 50 W 143-8¼, Alameda. Iva D. Zimmerman and C. H. Zimmerman.. .....$5,000
June 8, 1920—LOT 45 BLK 6 Map Berkeley Heights, Bkly. Edith Helen Walls (wf Edward M)...$5000
June 8, 1920—N SAN JOSE AVE 100 E Willow E 40xN 150, Ala. H C Shaw .....$4000
June 5, 1920—LOT 25, BLK. 8, Map Steinway Terrace, Oakland. Anna M. Domick (wf Peter J.).....$4000
June 7, 1920—S SEVENTH ST. 75 W Myrtle St. W 25 S 90, Oakland. Giuseppe and Catterina Merlino.... .....$5,000
June 7, 1920—NE E-TWENTY-sixth St. 553 SE 13th Ave. SE 45 NE 140, Oakland. Norma Taylor Mallett (wf William H.).....$5,000
June 10, 1920—W BROADWAY 66.67 N Buena Vista Ave N 33.33xE 100, Ala. Anita Kellogg (wf P F)..$4000
June 8, 1920—LOT 12 BLK 5 Map The Highland Park Terrace, Oakland. Allister S Mitchell .....$4500
June 4, 1920—SE FIFTY-SEVENTH and Genoa Sts. S 46.51 E 110 N 43.67 W 110.04, Oakland. Louise M. Lanzer (wf John).....$5000
June 2, 1920—N BUENA VISTA AVE 130 E Willow E 60xN 147-6, Ala. Joseph Fero .....$4500
June 2, 1920—LOT 4 BLK 8 Map Thousand Oaks Station Tract, Berkeley. Emily A Murphy (widow) .....$6000

## LIENS FILED

**Alameda County.**

June 5, 1920—LOT 14, BLK. 1, Map of Highlands, Berkeley. Pacific Manufacturing Co. vs A. A. Merrifield and Albert and Dora Manzie...$358
June 11, 1920—LOT 14, BLK. 1 Map The Highlands, Berkeley. Jacob House vs. A. A. Merrifield and Albert and Dora Manzie.....$154.50

## BUILDING CONTRACTS

**Santa Clara County.**

ADDITION
SAN CARLOS near MARKET, San Jose. Addition.
Owner—Wm. Binder, 255½ S 1st St., San Jose.
Architect—Binder & Curtiss, 255½ S. First, San Jose.
Contractor—Morrison Bros., Builders Exchange, San Jose.
COST, $5,500

ALTERATIONS
SAN ANTONIO near FIRST, San Jose. Alterations.
Owner—Central Electric Co.
Architect—None.
Contractor—Morrison Bros., Builders Exchange, San Jose.
COST, $720

ALTERATIONS
SECOND AND SAN SALVADOR, San Jose. Alterations.
Owner—Mrs. Christy, San Jose.
Architect—None.
Contractor—A. F. Haskins, 234 W St. James St., San Jose.
COST, $1,200

ALTERATIONS
NO. 380 W. SAN FERNANDO, San Jose. Alterations.
Owner—Dr. J. M. Stevenson, Premises.
Architect—None.
Day's work. COST, $1000

ALTERATIONS
NO. 455 S FIRST, San Jose. Alterations.
Owner—F. Kemlin, 237 E San Fernando, San Jose.
Architect—Chas. S. McKenzie, Bk. of San Jose Bldg., San Jose.
Contractor—T. J. Scherrebeck, King Road and Alum Rock Ave., San Jose.
COST, $2,000

ADDITION
EAST ST., near SANTA CLARA, San Jose. Addition.
Owner—Rotary Drilling and Development Co., East and Santa Clara, San Jose.
Architect—None.
Contractor—J. H. Miller, 101 S 16th St., San Jose.
COST, $4,000

## COMPLETION NOTICES

**Santa Clara County.**

Recorded Accepted
June 5, 1920—PALO ALTO, CAL. Emma V Cogswell to J W Wells .....June 3, 1920
June 9, 1920—ROSELAWN TRACT near San Jose, Santa Clara Co. Tillie Peters to whom it may concern .....June 4, 1920
June 9, 1920—SAN JOSE, Santa Clara Co. A. K. Burkett to whom it may concern .....June 9, 1920

**MINOR JOBS IN SANTA CLARA CO.**

Eighth and Margaret, San Jose; addition; owner, Mrs. Ramsey, Premises; architect, none; contractor, E. A. Bevens; cost, $500.

E William bet. 5th and 6th, San Jose; garage; owner, E. M. Bewchell, 37 King St., San Jose; architect, none; day's work; cost, $400.

## BUILDING CONTRACTS

**SAN JOAQUIN COUNTY**

SCHOOLS
FOUR-ACRE SITE known as the Lewis Parker site, situated between Ninth and Tenth Sts. Building No. 2 to be erected on site consisting of one block of land bounded on the east by Central Ave., west by C. street, south by South St., and on north by First St. One-story brick and one-story hollow tile school buildings.
Owner—Board of Trustees of the Tracy Grammar School District.
Architect—W. J. Wright, Bank of Italy Bldg., Stockton.
Contractor—Elvis Totten & Ross Trewhitt (Totten & Trewhitt), 44 S San Joaquin St., Stockton.
Filed June 7, '20. Dated June 4, '20.
TOTAL COST, $27,428
Limit, 80 days.

SCHOOL
LODI, San Joaquin County. One-story hollow tile school.
Owner—The Board of Trustees of the Grammar School District.
Architect—W. L. Wright, Bank of Italy Bldg., Stockton.
Contractor—Cary Bros., Lodi.
Filed June 8, '20. Dated May 25, '20.
TOTAL COST, $79,483
Limit 90 days.

BUILDING
N ELM ST., bet. Sacramento and School Sts., Lodi. Building.
Owner—J. C. Guggolz, 201 E-Pine St., Lodi.
Architect—None.
Contractor—O. A. Schroeder, 601 W-Elm St., Lodi.
Filed June 9, '20. Dated June 1, '20.
Limit, 90 days. COST, $12,243

FRAME RESIDENCE
POPLAR AND STOCKTON STS., Stockton. Frame residence.
Owner—Jas. Dewey, 405 W-Fremont St., Stockton.
Architect—None.
Day's work. COST, $4,000

REMODEL
NO. 117 E-MARKET ST., Stockton. Remodel.
Owner—W. J. Grohman, 705 N-El Dorado St., Stockton.
Architect—None.
Day's work. COST, $1000

ADDITION
NO. 414 S-UNION ST., Stockton. Addition.
Owner—M. Pricolo, 404 S-Union St., Stockton.
Architect—None.
Day's work. COST, $1000

ALTERATIONS
N CENTER ST., bet. Maple and Wyandotte Sts., Stockton. Remodel shop into flats.
Owner—E. Woodruff, 27 E-Maple St., Stockton.
Architect—None.
Day's work. COST, $4000

ALTERATIONS
WEBER AVE., bet. San Joaquin and Sutter Sts., Stockton. Remodel store
Owner—P. T. Williamson, 21 S-San Joaquin St., Stockton.
Architect—None.
Day's work. COST, $2000

RESIDENCE
NORTH SAN JOSE ST., bet. Magnolia and Acacia Sts., Stockton. Residence
Owner—L. L. Dardis.
Architect—None.
Day's work. COST, $10,000

FRAME DWELLING
LOT 56 BLK 2, Merryvale. Frame dwelling.
Owner—A. B. Willes, Stockton.
Architect—None.
Day's work. COST, $2500

## COMPLETION NOTICES

**SAN JOAQUIN COUNTY.**

June 9, 1920—PTN. LOTS 1, 3 and 13, Blk. I E of Center St., Stockton. H. Genser to Wm. J. Scott.....June 4, 1920

## BUILDING CONTRACTS

**SACRAMENTO COUNTY**

DWELLING AND GARAGE
NO. 921 THIRTY-NINTH ST., Sacramento. One-story five-room frame dwelling and garage.
Owner—Brand & Jones, 724 J. St., Sacramento.
Architect—None.
Day's work. COST, $5,100

ALTERATIONS
NO. 1015 K ST., Sacramento. Remodel front and lay floor.
Owner—Ackeman & Haines, 1013 K St., Sacramento.
Architect—None.
Contractor—Herdon & Finnigan, 1714 16th St., Sacramento.
COST, $1,200

GARAGE
NO. 703 TWELFTH ST., Sacramento. One-story concrete public garage.
Owner, Henry Spring Co., 1328 U St., Sacramento.
Architect—None.
Contractor—G. D. Hudnutt, Inc., Cal. Fruit Bldg., Sacramento.
COST, $20,000

## LIENS FILED

**Sacramento County.**

June 8, 1920—LOT 4, L, M, EIGHTH and 9th Sts., Sacramento. Latourette Fical Co. vs. C. E. Phipps and C. J. Guth.....$379.69
June 8, 1920—LOTS 15, 16, BLK. 1, Allen and Binford Tract, Fresno. Independent Electric Co. vs. C. E. Orwig .....$86
June 8, 1920—LOTS 34, 35, BLK. 4, Fresno Home Addition, Fresno. Lewis Electric Co. vs. F. J. Bright .....$100
June 9, 1920—LOT 4, L, M, 8th and 9th, Sacramento. Friend & Terry Lumber Co., $425.98; Pacific Portland & Cement Co., $877.95 vs. C. E. Phipps & C. J. Guth.....

**SACRAMENTO BUILDING TOTALS FOR MAY.**

SACRAMENTO, Cal—One hundred and fifteen building permits were issued during the month of May, 1920, representing an approximate cost of 276,680, while in May, 1919, 77 permits were issued representing a cost of $99,675. Of the 115 permits issued during May, 1920, 27 were for new buildings, estimating a cost of $223,800, and 88 for additions and repairs costing $52,880.

## BUILDING CONTRACTS

**FRESNO COUNTY**

PLATFORM
THIRD AND TULARE STS., Fresno. Platform.
Owner—Fresno Fruit Gowers Co., Tulare Bet. 2nd and 3rd Sts., Fresno.
Architect—None.
Contractor—W. H. Minard, 319 Abby St., Fresno.
COST, $2,500

ALTERATIONS
NO. 1152 J ST., Fresno. Tile floor and store front.
Owner—Kutner Co.
Architect—None.
Contractor—F. J. Stone, Mason Bldg., Fresno.
COST, $5,500

DWELLING
½ OF LOTS 18, 19, BLK. 2 Jacob Addition, Fresno. Frame dwelling.
Owner—Chris Sommers Jr., 2375 Rose St., Fresno.
Architect—None.
Day's work. COST, $2,500

ADDITION
NO. 710 H ST., Fresno. Addition.
Owner—Valley Ford & Machine Works, 710 H St., Fresno.
Architect—None.
Contractor—E. Riggins, Mason Bldg., Fresno.
COST, $1,500

REPAIRS
NO. 1046 H ST., Fresno. Repairs.
Owner—Einstein Estate, Trust Co. Bldg., Fresno.
Contractor—Trewhitt & Shields, Rowell Bldg., Fresno.
COST, $8,000

GARAGE
LOTS 20, 21, BLK. 207, Fresno. garage.
Owner—Richard Emerzian, 1002 T St., Fresno.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
Day's work. $12,000

DWELLING AND GARAGE
LOT 7, BLK. 2, CEDAR PARK, Fresno. Frame dwelling and garage.
Owner—C. C. Russell, 3417 Lowe St., Fresno.
Architect—None.
Day's work. COST, $3,000

DWELLING AND GARAGE
LOTS 12, 13, BLK. 11, ARLINGTON Heights Tract, Fresno. Frame dwelling and garage.
Owner—L. Turnbull, Fresno.
Architect—None.
Day's work. COST, $3,500

ALTERATIONS
WOODWARD ADDITION, LOTS 1 to 4, BLK. 8, Fresno.
Owner—M. M. Jelladian, 1856 S Van Ness, Fresno.
Architect—None.
Day's work. COST, $1,100

APARTMENT HOUSE
LOTS 14, 15, 16, BLK. 98, Fresno. Apartment house.
Owner—Paul Frohberg, 617 L St., Fresno.
Architect—None.
Contractor—F. J. Stone, Mason Bldg., Fresno.
Day's work. COST, $17,500

SCHOOL
CALWA, Fresno. One-story brick school.
Owner—Calwa School District, Fresno.
Architect—Swartz & Ryland, Rowell Bldg., Fresno.
Contractor—W. J. Ochs, Coalinga, Cal.
Filed June 3, '20. Dated May 29, '20
Payments Semi-monthly ..... 75%
Balance 35 days after.....
TOTAL COST, $31,985

Bond, $15,992. Sureties E. A. Webb and Z. Zwang. Limit, 90 days. Forfeit, $1 per day. Plans and specifications filed.

## COMPLETION NOTICES

**FRESNO COUNTY.**

June 9, 1920—LOTS 27, 28, INGERsoll Tract., Fresno. C. H. Bartholomew to whom it may concern .....June 8, 1920
June 9, 1920—LOT 6 BLK. 4, ALTA Vista, Fresno. Emma J. Young to whom it may concern..June 8, 1920
June 8, 1920—LOT 5 E ½ OF LOT 4, BLK. 8, College Addition, Fresno. Ara Stone to whom it may concern .....June 8 1920

## RELEASE OF LIENS

**Fresno County.**

Recorded Accepted
June 3, 1920—LOTS 22, 23, BLK. 17 North Park Terrace, Fresno. H. B. Ashton to whom it may concern .....May 25, 1920
June 4, 1920—LOT 193 FORKNER, Giffen Fig Gardens Sub. 1, Fresno. Wm. A. Otto to whom it may concern .....June 1, 1920
June 5, 1920—LOTS 3, 4, BLK. 19, North Park Terrace, Fresno. Frank W. Bagley to whom it may concern .....June 5, 1920
June 4, 1920—WELL NO. 5, SEC. 5, 20-15, Fresno. So. Pac. Co. to whom it may concern...June 3, 1920

## LIENS FILED

**Fresno County.**

Recorded Amount
June 5, 1920—LOTS 25, BLK. 4, Clovis City, Fresno. Mike Gonzales vs. Fred W. Smith, Rhoda Gould and Frank Lopez.....$130

## Notice of Non-Responsibility

**FRESNO COUNTY**

June 7, 1920—SW ¼ OF NW ¼ OF Sec. 15, 14-19, Fresno. Ira D. Vinton as to improvements on leased property.

## FAR EASTERN TRADE NOTES

(Prepared by the Far Eastern Division, Bureau of Foreign and Domestic Commerce, to which refer for fuller particulars. The District and Cooperative Offices have reserve information where reference number is given.)

**Chinese Merchant Desires To Trade Direct with America.**

Since the establishment in November 1919, of an American bank in Changsha it has been more feasible for the local merchants to enter into direct trade relations with American firms, instead of conducting business through Hankow and Shanghai, as heretofore. One of the leading merchants has recently made known his desire to be placed in touch with American firms for this purpose. Further particulars may be obtained by referring to file No. FE—155.

**Exports to United States from Shanghai, January-March, 1920.**

The item of the greatest monetary importance exported to the United States from Shanghai during the quarter ending March 31, 1920, was raw silk, valued at $10,543,815. The values of other exports of importance were: Goatskins, $7,085,480; waste silk, $1,045,702; peanut oil, $1,190,986; camphor $761,855; egg albumen, $619,492; cotton laces and embroideries, $593,894; powdered egg, $573,101; shelled peanuts, $679,748; tea, $604,439.

**Market for Paints and Varnishes in the Tientsin Consular District.**

A steady growing demand for foreign paints, varnishes, leads and colors is reported from the Tientsin consular district of China. Among those most popular are paste paint, and paint ready mixed for use, in white and red, the latter being used for roofs of the buildings in the foreign settlement. No paint of any sort is used on the majority of Chinese houses, however, as they are built of mud and brick. Another good market for such goods is offered by the railways, which use a considerable quantity of varnish, and of anticorrosive paint for iron and steel, which in recent years has come largely from the United States.

## CHAS. H. SMALL OPENS OFFICE

Chas. E. Small, founder of the firm of Small, Shade & Co., Monadnock Building, Manufacturers Agents for several railway and industrial supply concerns, has withdrawn his interests from that firm, which became effective June 1, and is now operating his own accounts for such equipment.

Mr. Small was formerly connected with the American Brake Shoe and Foundry Co., at their Plant at Mahwah, New Jersey, and successfully represented them at the P. T. I. E. in 1915.

## SHERWIN-WILLIAMS SALES INCREASE

The Sherwin-Williams Co. sales for the eight months of the present fiscal year, according to a statement issued by President Cottingham before sailing for England, are $42,870,734.87, a gain over the previous year of $15,020,996.86, or nearly 54%. The company recently declared a 50% stock dividend on the common to holders on record June 1. The new shares will be $25 par, and four of these will be issued for every one of the old $100 shares.

## Trade Notes from the West Coast of South America

(File numbers cited refer to reserved information or trade lists, which may be obtained from the Latin American Division, Bureau of Foreign and Domestic Commerce, or any of the district or cooperative offices.)

**Railroad Equipment Needed in Lima, Peru.**

Copies of a set of specifications for two locomotives and a number of flat cars and coaches needed on local railways in Peru, as well as the name of the local business house to which communications should be addressed by American firms interested in the project, may be obtained from the Bureau of Foreign and Domestic Commerce or its district and cooperative offices upon reference to file No. 41,936. It is recommended that quotations on such orders be made either f. o. b. steamer New York or c. i. f. Callao for cash against delivery of documents. Trade Commissioner Jackson suggests that the Callao quotation would doubtless meet with more favor.

**Possible Use of Caterpillar Tractors in Logging District of Chile.**

That there is a small and new but growing market for tractors in the territory tributary to Concepcion, Chile, is the opinion of Consul McDonough. And one of the most interesting possibilities suggested by the consul is the use of caterpillar tractors in the logging districts of the south. Owing to the excessive rains of the winter which often last for nine months in the lumbering district of Valdivia, it is almost impossible to get out the logs during a very large part of the year. Therefore, it has been suggested that caterpillar tractors might be the solution of the difficulty. Already the proposition is being investigated by one of the local houses.

## IRRIGATION DISTRICT TO ENLARGE CANAL

TURLOCK, Cal.—The directors of Turlock Irrigation District have authorized the purchase of a Caton steam shovel to be used in connection with the work of enlarging the high-line canal, a job which will take three years to complete. They have about $30,000 to spend on it this year, the immediate result of which will be to give them an increased flow amounting to 40-acre feet. The new machine has a capacity of 1000 yards in a working day, requires a crew of five men and needs 200 gallons of fuel oil per day to keep it going. The canal is 28 miles long and will be widened from 18 to 26 feet on the bottom and deepened from 3½ to 6 feet.

## SWORN STATEMENT OF COST OF BUILDINGS TO BE DEMANDED

MARYSVILLE, CAL.—For the purpose of keeping the City Assessor in closer touch with the cost of building improvements in Marysville, and to discourage the practice of erecting structures and securing the permit afterward upon false estimate of cost, the City Council has instructed City Attorney W. P. Rich to prepare an amendment to the building ordinance requiring the owner of the improvement to file a sworn statement of the exact cost of the work.

The contractor will also be required to furnish a draft of the structure, giving every detail as to material used.

## CITY CLERK RESIGNS

BERKELEY, Cal.—Alvah G. Briggs, city clerk since 1915, will resign July 1, to accept the position of assistant state superintendent of banks. Miss Emma Hann, assistant city clerk, will be recommended for the vacancy by Councilman E. T. Harms and is assured of the unanimous vote of the council.

## SALINAS STREET WORKERS GET PAY RAISE

Employees of the City Street department petitioned the City Council for an increase in wages of 50 cents per day, dating from June 7. The petition was granted. This will bring the per diem up to $4.50.

## BANKS REFUSE TO PURCHASE BONDS

SACRAMENTO, Cal.—Construction of the filtration plant in this city may be delayed and the city seriously handicapped as a result of the action of the Sacramento Clearing House Association at a recent meeting in refusing to purchase filtration bonds. The construction of schools also may be delayed and made doubly difficult as a result of a definite refusal to take the school bond issue. The clearing house, which is composed of ten local banks, voted against purchase of the filtration and school bonds, and will shortly notify the city of this action.

## NEW APARTMENTS FOR SAN RAFAEL

SAN RAFAEL, Cal.—A new departure in residential apartment-houses is seen in the structure now building on the northwest corner of Fifth street and Petaluma avenue, San Rafael.

The apartment house was designed by Roland I. Stringham, San Francisco architect, and is being built at a cost of $30,000 for the Kent-Roemer Building Company.

## BIDS OPENED FOR FORT MILEY GARAGE BUILDING

FORT MASON, San Francisco—The following bids were received on June 12th by Lieutenant Colonel Ira L. Fredendall for the construction of a garage building to be erected at Fort Miley.

Meyer Bros., 2628 Anza St., submitted the lowest bid at $4,995.

| | |
|---|---|
| E. J. Quinn | $7,488 |
| G. W. Boxton | 6,798 |
| Bos & O'Brien | 6,344 |
| Wagner & Blob | 6,663 |
| Thos. Cavanagh, Zamballi & McLean | 6,635 |
| Theo. Meyer (Meyer Bros.) | 4,995 |

## State Highway Fund Gets $4,876,664 from Motorists

SACRAMENTO, June 9.—With registration of all motor vehicles in the State practically completed, the State Motor Vehicle Department announces that its receipts to date total $4,876,664. The receipts for the year thus far are $1,108,820 in excess of last year's collections.

## ASBESTOS IN PHILIPPINES FINDS READY MARKET

Natural resources of the Philippines have been exploited, but little up to the present, but one of them, asbestos, promises to be the means of freeing the islands from excessive fire losses. One company is successfully exploiting its mines near Laoag, Ilocos Norte, and manufacturing asbestos building materials which are finding a ready market.

The company has an experienced chemist in its employ and is manufacturing asbestos stucco for walls of buildings, asbestos board for ceilings, and minor asbestos products including lagging for boilers and pipe coverings, which are in demand at sugar plants and wherever insulation against either heat or cold is desired. Modern machinery is being purchased from the United States and a larger, more comprehensive and modern plant is to be erected within the next year.

The company also manufactures asbestos paint for fire-proofing building. The asbestos material is ground to the fineness of talcum powder, then non-inflamable oil and coloring matter are added and the whole mixture ground together, again to the fineness of talcum. The paint thus made can be thinned to the consistency desired and used like ordinary paint. Before the asbestos is ground it is heated to 1,500 to 2,000 degrees, to destroy foreign substances. Asbestos cannot be burned; it endures 33,600 degrees Fahrenheit without loss.

## ELLIS SUES TO TIE UP STATE HIGHWAY FUND

**Commissioners Say Former Secretary's Action is Due to Refusal of Board to Raise Pay**

SACRAMENTO, Cal.—The State Highway Commission has directed Chief Engineer A. B. Fletcher to discontinue all location surveys as soon as possible and dismiss survey parties not needed for the work of construction already in progress. This action was taken on account of shortage of funds, due to the lack of any market for highway 4½ per cent bonds, commissioners said.

New court action was begun today directed against any use of federal aid road funds to increase the interest rate of State highway bonds. Wilson R. Ellis, former secretary of the highway commission, asked the Appellate Court for a writ of mandate to compel the State engineering board to deposit all outstanding federal aid warrants to the account of highway commission fund.

**$300,000 TIED UP.**

Similar action was begun by Ellis yesterday, directed against the State treasurer and controller. The court today combined the actions and the case will be heard June 22, when an alternative writ is returnable. This writ temporarily ties up federal aid road funds exceeding $300,000, which were to have been used in part to complete the sale of $3,400,000 of highway bonds at the market rate.

A formal statement issued by the highway commission after its meeting today, says in part:

The purpose of the present court action is undoubtedly simply to harass the commission, and it is but another phase of the guerrilla warfare that the former secretary of the commission has conducted both within and without the highway department since the refusal of the commission to increase his salary.

**HOLDS UP PAY ROLLS.**

The regrettable feature is that the action is holding up payrolls, and that the real sufferers are employes of the commission, contractors and others who are entitled to payment for services rendered the State.

If the court should decide by any chance that the use of the federal road bonds for paying discounts is illegal it will mean practically an entire cessation of highway work.

## ARCHITECTS CONTRACT FOR SACRAMENTO SCHOOL PLANS NOT FAVORED

**School Director Says Proposed Instrument is too One-sided.. Action to be Taken Next Week.**

SACRAMENTO, Cal.—The City Board of Education has refused to accept the contract offered by the architects for erection of the elementary schools and has set the matter as a special order of business for the June 16th meeting.

School Director G. C. Simmons declared the contract is entirely too favorable to the architects.

The contract was drafted by C. C. Hemmings, George Hudnutt and Jens Peterson, who were appointed to prepare plans and specifications, let contracts and supervise the construction of new elementary schools under the $3,064,000 bond issue.

The city wanted all work done by the segregated contract plan through which the city acts as the contractor, and the architects perform the duties of the city's agents. The contract provides that in cases where the building is to cost less than $100,000 it may be done by a general contractor.

Simmons objects to the section which calls for only ten sets of working plans and three sets of detailed drawings. He feels at least fifteen sets should be provided, and full sized detail drawings agreed upon.

He wants accounts kept during progress of the work, and continuous service of inspectors. Section 5 provides the architects are "not responsible for the performance by any contractor of his contract or any provision thereof." Simmons objects to this, and wants more responsibility fixed upon the Commission.

In the matter of payments, the proposed contract calls for the city to pay 70 per cent of the entire fee upon completion of all architectural designs, working drawings, specifications, details, etc. Simmons says only 50 per cent is customary, and he feels that amount only should be paid at that time. He also objects to paying the architects before the contractor's work is accepted because by so doing he feels the city would be left without anyone in its employ to turn to in case of dispute.

Simmons believes too one-sided Section 9, which provides that in addition to regular fees the Commission shall be compensated for services rendered "in the case of delinquency or insolvency of any contractor or for any reason caused by fire, flood, acts of God or other causes not the fault of the Commission."

That provision of the contract permitting the Commission at any time after three years by ninety days' notice to cancel the contract and terminate their employment, is objectionable to Simmons. He wants the architects to stay on the job until it is completed.

## DEFECTS IN CHICO HIGH SCHOOL PLANS RUMORED

**Architects Woollett & Lamb of Sacramento Summoned to Explain Reported Errors in Plans. Contract for Construction Held by James McLaughlin of San Francisco.**

CHICO, Cal., June 10.—Sensational disclousers may follow the action of the Board of Education in summoning Woollett & Lamb, Architects for Chico's new $440,000 high school, to appear before the board and tell what they know about supposed "defects" in the plans.

Action by the board was prompted when Dr. Enloe, a board member, told of a letter telling of fatal errors in the plans and specifications which, if carried out would make the building mechanically unsound. The most glaring error, according to Enloe, is the plan to permit a 16-inch wall to rest on a twelve-inch concrete foundation.

Trustee H. O. Jacobson to-day said he believed the charges were unfounded and that they were merely the result of the contractor, J. D. McLaughlin, to make a larger profit on the building, by having a number of extras included.

He said he believed the plans were not faulty.

Arthur H. Lamb of Woollett and Lamb, said to-day the matter is a controversy between the architects and James McLaughlin, the building contractor. John W. Woollett left Sacramento to-day for Chico to take the matter up with the Board of Education.

"This is a difference of opinion between this firm and James McLaughlin, the contractor, which has been brought to the attention of the Board of Education," said Lamb.

"Our plans have been checked by competent engineers an dwe feel certain of our ground."

## Committee Controlling Trade At Vladivostok

(Translated by the Russian Division, Bureau of Foreign and Domestic Commerce, from Golos Rodiny, a daily Russian newspaper published in Vladivostok, April 18, 1920.)

The decision of all questions connected with the prohibition of import and export of merchandise that has been ordered by the temporary government at Vladivostok is concentrated in the import and export committee of the Council for Finance and Economics. The designated committee has been granted the right of publishing the rules and circulars regulating foreign trade, with the confirmation of the office of the Council for Finance and Economics, for the guidance of customs officials.

The import and export committee is granted the right, after consideration of the question, to permit in each separate case the import and export even of articles mentioned on the list of those the export of which is forbidden. The committee, in granting permission to export articles on the forbidden list, has the right to deviate from the previously established rules as to the surrender of the foreign currency received in payment as far as to require this only in part. Through the conclusion of agreement directly with the committee or its agents or in other special cases, it may also remove the obligation to turn over the foreign money paid for exported wares on the condition of return import into Russia, in the amounts determined by the committee, or articles the importation of which is encouraged, or even dispense with this condition altogether.

In granting permission for the exportation of forbidden articles, the committee may assess against the exported goods a special tax not exceeding 5 per cent of the cost price.

## Department of the Interior

**Bureau of Mines**
Van. H. Manning, Director

New Publications. (List 74.—June, 1920.)

BULLETIN.

Bulletin 183. Abstracts of current decisions on mines and mining, reported from May to August, 1919, by J. W. Thompson. 1920. 167 pp.

TECHNICAL PAPERS.

Technical Paper 241. Blowholes, porosity, and unsoundness in aluminum-alloy castings, by R. J. Anderson. 1920. 34 pp., 5 pls., 1 fig.

Technical Paper 245. Quarry accidents in the United States, during the calendar year 1918, by A. H. Fay. 1920. 52 pp.

Technical Paper 250. Metal-mine accounting, by C. B. Holmes. 1920. 63 pp.

Technical Paper 252. Metal-mine accidents in the United States, during calendar year 1918, with supplemental labor and accident tables for the years 1911 to 1918, inclusive, compiled by A. H. Fay. 1920. 113 pp.

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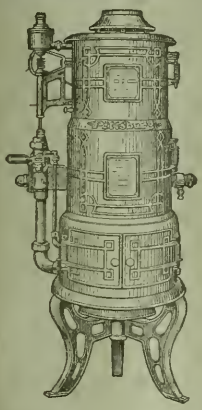

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# EDITORIAL

**L. A. LARSEN, Publisher.**
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## PROPOSED NORTHERN ARGENTINE-CHILEAN RAILWAY

Agricultural and railway interest in Chile and Argentina have long discussed a project to construct a new trans-Andine railway, connecting the town of Salta in northern Argentina with the port of Antofagasta in northern Chile. Such a route would offer a marked saving in time of shipment from the United States to the Argentine interior, for the trip from New York through the Panama Canal, down the west coast and over a trans-Andine railway to the Andes would require about 10 days less than the present route from New York to Buenos Aires and up the Parana River.

In addition to bringing overseas markets nearer to the food-producing sections of northern Argentina, the proposed trans-Andine railway would afford a convenient means of transportation for food supplies to the barren nitrate fields of Chile. Some of the particular advantages of the contemplated route, and the measures now being taken to provide the railway, are presented in the following condensed reports from United States representatives in the Argentine and Chilean fields.

[Trade Commisioner George S. Brady, Buenos Aires, Mar. 4, 1920.]

**Argentine Congress to Consider New Trans-Andine Railway.**

The President of Argentina has asked Congress to consider a proposition to extend the State railways, constructing a line from Salta to connect the northern Provinces of the country with the Chilean port of Antofagasta or with that of Mejillones. The nearest port by rail from Salta is now Santa Fe, distant from Salta about 700 miles and situated on the Parana River 300 miles up stream from Buenos Aires. The proposed railroad would bring Salta within 350 miles of the Chilean port, making a saving of 350 miles of railroad haul.

Santa Fe is approximately 6,300 nautical miles from New York, while Antofagasta is 4,370 miles from New York, and the net saving in water transportation would be about 1,930 nautical miles. The time now made by freight steamers from New York to Rosario (where transshipment is made for Santa Fe) is 24 days, and from Rosario to points in the Argentine Andes 5 days more are required, making a total of 29 days for this route. From New York to Antofagasta, on the other hand, fast freighters take only 16 days, and from the port to Salta 2 days may be estimated, making this West Coast and Trans-Andine route only 18 days.

**Trans-Andine Outlet Needed for Native Products.**

The region in northern Argentina to benefit most by the proposed railway has abundant natural resources almost untouched. Copper, gold, silver, and other minerals are mined, though not actively on account of lack of transportation. Deposits of sulphur, alum, and soda have been found, but are not yet exploited.

The soil in part of this district is rich, with a subtropical climate tempered by varying degrees of altitude, and suited to the cultivation of nearly all agricultural products. Sugar is produced in large quantities and the output could be increased were export markets available. Fruits, vegetables, and meat are also products of this section that could be marketed profitably overseas as well as in the neighboring nitrate districts of Chile.

The total cost of the project is estimated at $25,000,000, and various plans for financing the road are under discussion. The gauge of the proposed line, and the exact point of crossing the Andes are also important questions to be considered.

[Trade Commissioner W. L. Schurz, Oruro, Feb. 26, 1920.]

**Chilean Interest in Proposed Railway.**

For many years a desire has existed for the construction of a railway from Antofagasta into the northern Province of Argentina. Now, that the matter is receiving the attention of the Argentine Congress, the mayor of Antofagasta has appointed a committee of prominent business men to promote the plan in Chile, and it is hoped that the Chilean Congress may become interested in the project. The construction of the proposed railway would be of much advantage to the nitrate region, as it would permit bringing in at lower prices from the northern Provinces of Argentina the live stock, foodstuffs, vegetables, and other supplies now brought from southern Chile.

In addition to this trade in foodstuffs, much international commerce would be developed through the port of Antofagasta in the exports and imports of northern Argentina, because of the saving in time and freight charges. Several different routes have been suggested for the new line, some of which would pass near nitrate deposits now without railway transportation.

## U. S. COIN TO FINISH CANAL AT NICARAGUA

Completion of the Nicaragua canal with American capital within the next three years is predicted by Venanio Montalvan, secretary of state of Nicaragua, who arrived here last Thursday on the Pacific Mail liner San Juan. It is understood that large shipping interests are behind the movement to carry out the plans for this canal, which was projected before the Panama Canal.

The canal through Nicaragua would shorten the coast to coast trade, it is pointed out by the Nicaragua and American interests working for the project, and stimulate the Central American and South American trade, it is said that the traffic through the Panama Canal will soon reach such proportions that another outlet will be needed to supplement the waterway.

Secretary of State Montalvan said that financially and economically conditions were better than ever before in Nicaragua and the political outlook was peaceful. This is the first visit to the United States of the Nicaragua official, who came here to visit his two sons, who are students at the University of California.

## SILK PLANT FOR SACRAMENTO PROBABLE

SACRAMENTO, Cal.—This city has an opportunity to become a silk manufacturing center if only the women and girls needed to reel the cocoons can be had.

This advice has been received by General Secretary Harry S. Maddox of the Chamber of Commerce in a communication from the San Francisco Chamber, setting forth the difficulties encountered by those seeking to establish the manufacture of silk on a large scale in this vicinity.

A site for a factory where something like 10,000 women and girl employees would be available for work in the mills is being sought.

## $40,000 CHURCH PLANNED FOR RICHMOND

RICHMOND, June 11.—A proposition to erect a new church building was put before the members of the official board of the First Baptist Church last night by the Rev. C. H. Berry, pastor of the church. The proposed building is to cost from $30,000 to $40,000, but no site has been selected.

The church has been assured of the support of the Home Mission Board of the Northern Baptists, according to the pastor. It was stated that several sites were under consideration by the church.

## LOS ANGELES PLANS CONSTRUCTION OF HUGE RESERVOIR

LOS ANGELES, Cal.—The City Council has been asked to adopt a resolution calling for the condemnation of 75 acres necessary for the big controlling reservoir to be constructed in Tujunga canyon back of Monte Vista. This reservoir is part of Engineer William Mulholland's plan for the development of the aqueduct water supply. It is estimated to cost $800,000.

# The Municipal Purchasing Agent

By Wilfred G. Astle in Cananian Municipal Journal

Buying is fact becoming a profession, and we find a large number of cities and municipalities employing their own purchasing agents, instead of placing their orders for supplies and materials through that series of channels, which have been time and again demonstrated as costly and prohibitive. In these times when materials and supplies, particularly when purchased in small quantities, have increased in value anywhere from twenty-five to three hundred per cent, it is being found desirable to consider the employment of an expert buyer and centralize all purchases.

It is surprising the economies that can be effected by cities in buying municipal supplies, especially if they will devote the proper time to the selection and training of their purchasing agents. This should be done with the same intelligence that is displayed by a private corporation in developing their sales force. Do away with all clumsy routine. By centralizing your purchases you will be able to stock up when the market is low. You will be able to buy in bulk for several departments simultaneously and make substantial savings in many other ways.

Under the old method of doing business, the purchasing agent was considered a fellow who kept a scrubby book—full of quotations—and whenever he received a requisition for anything at all, he simply looked into the book, found out the name of the concerns who manufactured or sold that particular article, looked up a previous quotation, and possibly a previous order and invoice, after which he would place his order for so many hundred of the article. In some extreme cases he would write a cold withering inquiry for lowest prices and best delivery. Not a great deal of brains required for that class of work, but then, this class of man never was a purchasing agent—he was merely a quotation clerk.

What do we require of the real purchasing agent today? This field of buying, even in the commercial business, has been undergoing a readjustment during the past twenty-five years. This is caused by the keen competition of the present day, and has forced the problem of purchasing to the attention of all wide-awake executives. Why? Stop and think of this for a few minutes and you will realize that buying is very important. It largely governs the economy of all expenditures with the exception of fixed charges and the payroll. This fact has focussed a great deal of attention upon purchasing, especially upon the methods and organization used. The modern purchasing agent must assume a constructive place in the organization. It is up to him to study the markets. He should keep thoroughly posted on world movements of all basic commodities.

The range of purchases for a municipality are very wide—in fact the diversity of the lines is almost unbelievable—much greater than the purchases of any one business. All this requires a broad experienced man. When I say experienced I do not mean that kind of experience that keeps a man in a rut—doing things the same way they were done in the past, but a man with experience in using his brains—finding new and better markets, watching prices, and grasping every new method to increase his efficiency. When you stop and consider the ramifications of the work done by the thriving, modern city government, it can very easily be seen that the purchasing agent must be of the very best. His work will include the purchasing for a service department with sewers, streets, bridges, garbage and ashes, waterworks and motor vehicles; the special printing, office supplies and equipment for all departments; the fire and police departments, and the welfare department with the health laboratory, recreation, parks, playgrounds, prisons, hospitals, greenhouses, etc. First it will be uniforms, next an automobile repair job, then food supplies or clothing for the workhouse, or perhaps baseballs for the playgrounds. The work of the municipal purchasing agent is very diversified.

An analysis of all the purchases will usually be found to indicate the possibility of great economics in a number of directions. The first question that might readily be involved is the matter of standardization. Where each department purchases its own supplies, it will very seldom be found that the heads of the departments agree in all instances as to the kind of supplies to be purchased and used for exactly the same purposes. Is this not true in nearly every case? We find every foreman or superintendent with his own grease, oil, paints, etc., which he swears by and insists upon using consistenly. This should not be so, because there is always only one best way of doing things, only one best supply to use for the purpose. Money can be saved by getting together the best judgment of all department heads, find in each case just what material is best adapted and most economical for the purpose to which it is put, and then standardize.

To allow each department to do its own purchasing is in direct violation o fall principles of efficient and scientific management. A central purchasing agency is the one best way of buying for a municipality, as well as a business corporation. This principle is well illustrated by many of the well known business concerns who have centralized their buying with great success. Take the Western Electric Company for instance, who buy $66,-000,000 worth of supplies in a year. Take the Great Northern Railroad who created the first centralized system used on railroads. Its president saw the great possibilities. He spent many hundreds of thousands of dollars to revolutionize the rules and operating methods of that railroad in order to install the centralized plan of purchasing. It proved to be a remarkable success and it saved many millions of dollars. Practically every large railroad in the country has adopted the system of centralized buying.

Take the item of oil, for instance. It takes no more time to purchase a thousand gallons than it does to purchase a hundred gallons. In addition to the bulking of certain items in this manner, the possible saving justifies considering new materials on the market. This can only be intelligently done by a man specializing on this particular function. A general purchasing agent can readily keep in touch with the demands of all the departments, and can also keep in touch with market prices on these supplies.

Large commercial corporations centralize their buying with big savings. Why can't this same result be obtained in buying all the supplies for a municipality? It can be done, and is being done with remarkable success by several cities. The commercial buyer, however, does not have the same problems to face as a municipal buyer. He is not hampered by the endless number of laws which are passed in the attempt to safeguard the rights of the citizens. Such laws very often paralyze any real purchasing or opportunity for displaying it.

What are the qualifications necessary for a purchasing agent? First, he should be a man of broad knowledge on business conditions and a high order of intelligence. He should be well balanced, sagacious, shrewd, have good judgment, and be well fortified with a knowledge of the changes in the technical or internal factors in the different lines of business, such as management, organization, inventions, sources of supply, manner of approaching markets, new sources of production, economics, business ethics, and information on general business conditions. He should always be on the alert to improve himself, broaden his knowwledge, by a close study of local as well as national conditions.

What about the personality of a purchasing agent? Should he possess a pleasing personality? It is very often considered best not to have too affable a man in this position. Personally, I do not think this is the right attitude, and I cannot understand where the advantage comes in by having one of those cold, haughty persons in charge of the buying. It is a well-known fact in commercial business, that to be successful, a salesman must possess a pleasing personality. In the selection of a salesman preference is always given to the genial and likable applicants. Personality is, in nearly all cases, disregarded in the selection of a purchasing agent. He is usually chosen for his qulifications as a judge of the quality and prices of materials. This is all right, but he should also have a pleasant personality. He should cultivate human feeling and pleasant relationship, because after all, salesman are only human, and they will very often discommode themselves to render the best possible service to a courteous, friendly sort of man, even if he does sit in the purchasing agent's chair.

Political and personal influences and still more questionable tactics are often used in the effort to land a big order. This makes it necessary for a purchasing agent, before asking for prices, to draw up specifications which will be fair to the bidder and to the municipality. He should make it known from the start that the old methods don't go any more. There has been a change of attitude, during the past few years, between buying and selling practice. It has not been revolutionary, or anything like that, but just a gradual change. It has not been so much on the part of the salesman as it has been on the part of the purchasing agent. This has been brought about by the increased competition in selling, and the purchasing agent has come to look at things from an entirely new angle. He does not want to be entertained, because he realizes that he pays for it all in the long-run. A large percentage is usually allowed on the prices to cover "selling expenses."

Getting service from the seller. Keeping the amount of stock on hand

down as near as possible to the minimum. Keeping the stock above the danger line. These are conditions that all purchasing agents should strive for. It is most desirable for all concerned. Before it can be done, however, with any degree of success, requires the very best service from the seller. This means have deliveries come in at just the right time. This is where the pleasing personality of the purchasing agent gets to work. It also requires a dependable source of supply. This is a very important asset for a purchasing agent to have. Every buyer should have firms on his list—firms that he knows when he places a hurry-up order for supplies, that there is someone in that organization who will follow it up and see that shipment is made as requested. To build up such a list, however, the buyer must do his part. He must know the approximate time required to manufacture the article he is buying. This is gained, mostly, by experience, coupled with the knowledge as to whether conditions are normal, or otherwise, in that particular industry.

By keeping in close touch with the market conditions the purchasing agent can avoid causing the seller to feel that he has received an unreasonable request for shipment. It is always best, as much as possible, to anticipate requirements. This will result in much better service. It is very bad policy to mark all orders "RUSH" or "Urgently needed," for the reason that they will then lose their effective punch. When orders are placed regularly with a concern, you certainly have a right to expect satisfactory service, and as a general rule, you will always get it, especially when it is known that you appreciate what is being done for you. A purchasing agent will always find it to his advantage to grasp every opportunity to express appreciation of any special service that the supplies may give him. This always pleases the seller, and it also marks the buyer as being an up-to-date wide-awake man.

Records of previous purchases are necessary to the successful municipal agent. When these are kept up in good shape, he knows, by referring to them, that the people he has asked for bids are the best in the country to furnish him with what he wants—that they will furnish him with the kind of service that will cut down costs, and save a lot of irritation. He knows, also, that these concerns are in the best position to quote him favorable prices, and that they have proved reliable in furnishing the quality required. Such records help the purchasing agent to steer clear of once-paid-for mistakes.

Watching the markets. This is one way that a municipal buyer can make a big showing. Watch the markets closely on all lines buying as nearly as possible at the low point. Very little attention, as a general rule, has been paid to this phase of buying in the past. It is one of the most important functions of the purchasing agent. This forecasting future trend of prices is not a very easy thing to do. He must know when prices will move from one period in the cycle of trade to the other. To do this he must study the state of business, the political situation, the crops, and the supply of banking funds. These are the four fundamental factors, which must be considered, in forecasting the future trend of prices and knowing that you are buying at the lowest point.

To buy when the market is low, is, we have seen, a basic principle, but, to buy at inopportune times, or in excess of requirements is very liable to cause losses, unless there are some compensating advantages in the matter of price. There are many things to consider when buying, in excess of requirements, and on a low market, and some of these are as follows:

Is the material to be used at once?

Is early delivery insisted upon by the seller?

Will the interest charge on the investment outweigh the lower price secured?

What is the cost of the space for storage of the material?

What is the possible depreciation in the material?

Is there a possibility of the selling price going still lower?

All these considerations must be carefully weighed by the modern buyer, who has his eye fixed, not on savings in first cost, but on the final cost economy. Any accummulation of materials, beyond what is required for immediate use, means that certain losses are incurred, which are:

Depreciation.

Insurance.

Value of space occupied.

Obsolencense.

Interest on money invested.

Commonsense is, perhaps one of the principal requisities for a purchasing agent to possess. It is, also, that one essential which underlies excellence in all things, no matter what it is—just pure commonsense. Technical knowledge is a great advantage, but it cannot be relied upon to develop a successful buyers. We find that men who have achieved the greatest financial gain, are those who have had the commercial instinct working in their makeup, combined with the scientific knowledge. Your knowledge and training must be balanced by a firm grasp on the fitness of things, and the rights and wrongs of the matter in hand. The buyer is at a disadvantage with other department heads, because of the fact that there is no other way that he can make himself familiar with the details of his work but by coming in contact with it, and by doing the work that it calls for. This makes it necessary for him, at all times, to depend entirely upon a commonsense view in obtaining his information; and at the same time to practice the business which he is learning.

## APARTMENT TENANTS PURCHASE ENTIRE BLDG.

NEW YORK, June 17.—An "own your own apartment" movement is in full swing here. Two late evidences of its growing strength are the purchase by the tenants for $2,500,000 of an apartment house on Fifth Avenue and the starting of construction of a co-operative apartment on Park Avenue, which is to cost $4,000,000.

Just the other day it was announced that Woodrow Court, an apartment house occupying the entire block front on upper Broadway, between 169th and 170th streets had been sold for $600,000 to the 53 families residing in the structure. This is said to be the first deal of such magnitude to be 100 per cent co-operative and in which tenants of moderate means have participated. In this deal each tenant only put up a few thousand dollars in cash. In the Fifth avenue transaction each tenant was called upon for $150,000 in cash.

Starting about eight months ago the transaction in co-operative buying of apartments have mounted in volume until they are presently a fixture of realty dealings and all of the larger real estate agencies maintain special departments in which the employes do nothing else but handle the sales of apartment houses to tenants. This is generally a profitable transaction for the owner for tenants are willing to pay more to retain their homes than speculators or investors would pay and it is said to be profitable for the tenants in that they assure themselves of homes at a cost of only about seven years average rentals.

Tenants are approached both individually and through mass meetings when agents have apartment houses to offer. The tenants are given a certain length of time to decide and if they wish to take the property the agents form a company to own the building to which only tenants may subscribe to stock. The purchaser of the stock gets a 99-year lease.

The shortage of office and commercial space has been only second to that for housing purposes in New York and co-operative purchasing of office and loft buildings by tenants has begun, although it has not as yet reached the proportions of apartment purchasing by tenants. Transactions in business buildings differ from apartment sales in that while co-operative buying is done it is seldom 100 per cent so, the usual deal involves the purchase by a club of a half dozen or so business tenants, who apportion the space among themselves and then lease the remainder. The management in both cases is generally vested in some well-known agent under the direction of the tenant owners.

## NEED BRIDGE BUILDERS TO RESTORE WAR RUINS

CONSTANTZA, Rumania, June 17.—Owing to the general destruction of bridges during the war there is an exceptional opportunity in Rumania for American bridge builders. A bridge over the Danube to connect Rumania with Serbia is being considered by the Rumanian government. There are 18 important bridges in other parts of Rumania awaiting reconstruction.

In addition, the great bridge over the Danube at Cernavoda, in many respects the greatest structure in Europe, must be reconstructed. This bridge, known as the King Carol Bridge, is 1260 feet long and 114 feet above high water.

## TO DISCUSS YOLO COUNTY WATER SITUATION

WOODLAND, Cal.—Irrigation problems in Yolo County will bring together several hundred farmers at a mass meeting called for next Sunday at the Yolo Board of Trade rooms.

Chief among the questions to be discussed will be the matter of forming a water district to finance a scheme for bringing water down the north fork of Cache Creek through Indian Valley, the same to be diverted through a big impounding dam and numerous canals for use on Yolo County farms.

For three weeks water users of this section have been visiting the site for the proposed reservoir in Indian Valley, in order to determine for themselves whether the new irrigation project is feasible.

At next Saturday's meeting it is expected that ways and means will be decided upon for raising close upon $1,000,000 with which to carry out the new scheme.

The proposed site is owned by J. L. Stephens, F. W. Stephens and P. T. Langenour, all of this city. They bought the reservoir property some time ago, with a view of eventually forming a new water district.

They propose to allow a committee of water users to appraise the property and place their own value upon it. They insist that the original purchase was not made with the idea of speculating and profiting from a resale.

Plans were prepared by F. H. Schardin, 911 O St., Sacramento.
Herndon & Finnigan, Sacramento, $28,800
Wm. Murcell, Sacramento, $29,994.
Chas. Vanina, Sacramento, $30,000.
All bids were taken under advisement for a few days.

## RESIDENCES.

Sketches Being Prepared.
RESIDENCE, ETC. Cost, $20,000
LOS ALTOS, Cal.
One-story frame and plaster nine-room residence, garage and tank house.
Owner—Withheld for present.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Plans Ready For Figures.
RESIDENCE Cost, $12,000
SAN FRANCISCO. St. Francis Wood.
Two-story frame residence (7 rooms).
Owner—Clyde N. Beal, London Paris National Bk. Bldg., San Francisco.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Sketches Being Prepared.
RESIDENCE Cost, $——
BERKELEY, Alameda Co., Cal.
Two-story and basement frame and plaster residence and double garage.
Owner—Withheld for Present.
Architect—H. H. Gutterson, 278 Post St., San Francisco.

Contract Awarded.
COTTAGES Cost, $——
CROCKETT, Contra Costa Co., Cal.
Eleven one-story 4 and 5-room frame cottages.
Owner—California & Hawaiian Sugar Refining Co.
Architect—Not Given.
Contractor—Horace D. Jones Jr., 925 53rd St., Oakland.

Plans Being Prepared.
RESIDENCE Cost, $7,500
SAN FRANCISCO. Westwood Drive.
One-story and basement frame and plaster residence (7 rooms and garage).
Owner—Mr. J. E. Poole.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.
SPECIFICATIONS
Floors, hardwood; Heating, hot air; Furnace, coal burning; Interior Finish, gum; Roof, crushed brick.

LOS ANGELES, Cal.—V. D. Hedden and P. E. Tucker, 241 E. Broadway, Long Beach, have been awarded a contract to erect thirty-four frame bungalows and ten hollow tile bungalows in the block bounded by Junipero St., Raymond and Dawson Aves., and Seventh St., for the Golden State Investment Co.; cost about $225,000.

Plans Being Prepared.
RESIDENCE Cost, $20,000
FRESNO, Fresno Co., Cal. Fourth and Huntington Streets.
Two-story frame and stucco residence. (tile roof).
Owner—Fred Dow.
Architect—Eugene Mathewson, Cory Bldg., Fresno, Cal.

Figures to be Taken Next Week.
RESIDENCE Cost, $15,000
SAN FRANCISCO. Forest Hill.
Two-story frame, plaster and brick veneer residence (10 rooms).
Owner—J. E. Morgan.
Architect—Walter C. Falch, Hearst Bldg., San Francisco.

Contract Awarded.
RESIDENCE Cost, $40,000
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame and plaster residence (about 10 rooms).
Owner—Cyril Tobin.
Architects—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

Contract Awarded.
RESIDENCE AND GARAGE Cost, $10,190
PIEDMONT, Alameda Co., Cal. La Salle and Crocker Avenues.
Two-story frame residence and garage.
Owner—H. W. Harrold, 1180 Mandana Blvd., Oakland.
Architect—Sidney B. Newsom, Nevada Bank Bldg., San Francisco.
Contractor—F. J. Westlund, 2207 10th Ave., Oakland.

Plans Being Prepared.
RESIDENCE, ETC. Cost, $10,000
BERKELEY, Alameda Co., Cal.
Two-story frame and plaster six-room residence and garage for 2 machines.
Owner—H. S. Turrell.
Architect—John Hudson Thomas, 1st National Bank Bldg., Berkeley.

## SCHOOLS.

Contract Awarded.
SCHOOL Cost, $78,775
HANFORD, Kings Co., Cal. White St. near Myrtle St.
One-story reinforced concrete and brick school (8 rooms and auditorium).
Owner—Hanford School District.
Designer—J. R. Henderson, Tulare.
Contractor—Brown & Denham, Hanford.
Heating and Plumbing to Horlock & Clow Co., Hanford.

Plans Being Figured. Bids Close July 5th, 2 P. M.
HIGH SCHOOL Cost, $——
LONE PINE, Inyo Co., Cal.
One-story reinforced concrete high school.
Owner—Lone Pine Union High School District (Mrs. J. V. Skinner, Clerk, Lone Pine, Cal.).
Architect—Not given.
Certified check of 5% payable to clerk required. Plans may be had from clerk of School Board or County Clerk's office at Independence, Cal.

SAN FRANCISCO.—The Board of Public Works has requested the Supervisors to adopt an ordinance authorizing the construction of an addition to the Columbus school building.
Herman Barth, 233 Post St., is the architect.

SAN PABLO, Contra Costa Co., Cal.—A petition is being circulated asking the trustees to call an election to vote bonds of $35,000 with which to finance construction of a new school building.

Contract Awarded.
SCHOOL Cost, $24,900
TEHACHAPI, Kern Co., Cal.
One-story brick school (5 classrooms and auditorium.)
Owner—Tehachapi School District.
Architect—Eugene K. Martin, Bakersfield, Cal.
Contractor—Kutzner & Zimmerman, Bakersfield, Cal.

Contract Awarded on a Percentage Basis.
FINE ARTS BLDG. Cost, $——
REDLANDS, San Bernardino Co., Cal.
Two reinforced concrete hollow tile Fine Arts Buildings.
Owner—Redlands University.
Architect—Norman F. Marsh, 211 Broadway Central Bldg., Los Angeles.
Contractor—W. C. Crowell, Pasadena.

MESA, Ariz.—Contractor Morrison of Phoenix, has been awarded the contract at about $13,900 for a 3-room frame building, at about $83,000 for the erection of a one-story 10-room brick and concrete school building at Mesa, plans for which were prepared by Architect V. O. Wallingford, Pheonix, Ariz.

Plans Being Figured. Bids Close July 1, 10 A. M.
SCHOOL Cost, $——
MADERA, Madera Co., Cal.
One-story brick or concrete school. Separate bids for window shades, school seats and desks.
Owner—Madera School District, M. H. Hyrrell, Clerk, Madera, Cal.
Architects—Thos. B. Wiseman and Walter H. Parker, Associates, Bakersfield, Cal.
Certified check for 10% payable to Clerk of School Board required. Plans may be seen at office of County Superintendent of Schools, Madera.

ANTIOCH, Contra Costa Co., Cal.—The following bids were received on June 15th by M. D. Field, Clerk of the Antioch Grammar School District, for the installation and completion of a heating plant in the Antioch Grammar School.
Bids were taken under advisement for a few days to determine which proposition will be accepted. Plans were prepared by Architect W. H. Weeks, 75 Post St., San Francisco.
Scott Co (1) $4,197; (2) $9,397.
Thos. Kennedy (1) $4,175; (2) $——.
Carl T. Doel (1) $4,400; (2) $9,690.
Robert Dalziel Jr (1) $4,537; (2) $——.
J. E. O'Mara (1) $4,850; (2) $——.

Plans Being Figured. Bids Close July 1, 1920, 2 P. M.
MANUAL TRAINING BUILDING Cost, $——
OAKDALE, Stanislaus Co., Cal.
One-story concrete manual training building.
Owner—Oakdale Union High School District, E. D. Heron, Clerk, Oakdale, Cal.
Architect—W. H. Weeks, 75 Post St., San Francisco.
NOTE:—The original date of opening bids was June 12th, but through some misunderstanding of the date, no bids were received and the new date has been set.
Certified check for 5% payable to Clerk of District required with each bid.
Plans and specifications can be seen at the office of the Clerk of the Board, at Farmers & Merchants Bank, Oakdale, Cal., or at the office of the Architect.

Bids Being Taken for Heating and Plumbing.— General Contract Awarded.
SCHOOL Cost, $39,080
SUNNYVALE, Santa Clara Co., Cal.
One-story reinforced concrete five-room school building.
Owner—Sunnyvale Grammar School District.
Architect—Ernest L. Norberg, 742 Market St., San Francisco.
Contractor—Peck & Stickle, South San Francisco.
Bids for the heating and plumbing were rejected and new bids will be received until June 28th at 11 A. M.
Plans may be obtained from E. L. Norberg, Architect, Bankers' Inveatment Bldg., 742 Market St., San Francisco, or from Miss Leslie G. Smith, Principal of the Sunnyvale School, at Sunnyvale.

Plans Being Figured. Bids Close June 28, 1920, 8 P. M.
SCHOOL Cost, $——
GREENFIELD, Monterey Co., Cal.
Frame and plaster school.

Owner—Greenfield School District.
Architect—Fay R. Spangler, Santa Maria, Cal.

Plans and specifications can be seen at the office of the clerk of the board at the Page Hotel at Greenfield, or at office of H. B. Douglas at King City, Cal.

A deposit of twenty ($20.00) dollars cash will be required on all plans loaned. I. G. Gracomazzi is clerk.

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Contracts Awarded.
School Cost, $18,750
ROSS, Marin Co., Cal.
One-story 6-room frame school.
Owner—Ross School District.
Architect—C. A. Meussdorffer, Humboldt Bank Bldg., San Francisco.
Contractor—Kent-Roamer, San Anselmo.
**Heating** awarded to Christenson & Anderson of Palo Alto for $4,654.

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SAN FRANCISCO.—O. M. Monson who has the general contract for the Harrison street school has awarded a contract to Malott and Peterson for roofing work and to the Hauser Window Co., for window hardware in the structure. On recommendation of John Reid, Jr., City Architects, the awards have been approved by the Board of Public Works.

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STOCKTON, Cal.—At a recent meeting of the Board of Trustees of the College of the Pacific held at San Jose, Stockton was favored as the new location of the school.

The report made at the session stated that the Stockton site is suitable and the local bid for the school is considered the best received. The directors of the college will meet at the call of the president, Dr. Tully C. Knowles, when definite action will be taken. The Stockton bid is open until July 1st.

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Figures To Be Called for June 23d.
SCHOOL ADDITION Cost, $——
SAN FRANCISCO. Cortland Ave. Bet. Andover and Moultrie.
One-story frame addition to school (auditorium domestic science and manual training department).
Owner—City and County of San Francisco.
Architect—Martin A. Sheldon, 110 Sutter St., San Francisco.

NOTE—A call for bids will be issued on June 23d and two weeks will be allowed for figuring.

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Completing Plans.
ADDITION Cost, $——
SAN FRANCISCO, Church and Twenty-second Sts. (Edison School).
Four-room addition to two-story frame school.
Owner—City & County of San Francisco
Architects—O'Brien Bros., 240 Montgomery St., San Francisco.

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MERCED, Merced Co., Cal.—Bids will be considered at the July session of the Supervisors for the purchase of the following bond issues, proceeds of the sale, in each case, to finance school improvements.

Mitchell School District....$15,500
Elim Union School District.. 14,000
Madison School District.... 8,000
P. J. Thornton is County Clerk.

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Working Drawings Being Prepared.
HIGH SCHOOL Cost, $450,000
SAN FRANCISCO. Eighteenth St. Bet. Dolores and Church Sts.
Reinforced concrete and hollow tile high school building.
Owner—City and County of San Francisco.
Architect—John Reid Jr., First National Bank Bldg., San Francisco.

NOTE—Figures will be called for about October 1st.

Figures To Be Called for About July 15th.
ANNEX TO SCHOOL Cost, $——
SAN FRANCISCO. Eddy St. bet. Polk Street and Van Ness Avenue.
Two-story Class "B" annex to Adams School (6 class rooms).
Owner—City and County of San Francisco.
Architect—Morris M. Bruce, Flood Bldg., San Francisco.
(31363) 1st report Nov. 6, 1919; 3d April 19, 1920. R

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Plans Being Figured. Bids Close July 20, 1920, 8 P. M.
ADDITION Cost, $——
SAN JOSE. Santa Clara Co., Cal. Lowell School Site.
Eigh-room frame addition to school.
Owner—City of San Jose.
Architects—Wolfe & Higgins, Auzerais Bldg., San Jose.

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Plans Being Figured. Bids Close July 20, 1920, 8 P. M.
ADDITION Cost, $——
SAN JOSE, Santa Clara Co., Cal. Horace Mann School Site.
Eight-room frame addition to school.
Owner—City of San Jose.
Architects—Wolfe & Higgins, Auzerias Bldg., San Jose.

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Plans Being Figured. Bids Close July 20, 1920, 8 P. M.
ADDITION Cost, $——
SAN JOSE, Santa Clara Co., Cal.
Thirty-two room frame addition to high school.
Owner—City of San Jose.
Architects—Binder & Curtis, Binder Bldg., San Jose.

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OAKLAND, Cal.—The Oakland Board of Education opened bids on June 17th for a Class "C" addition to the Santa Fe School at Market and 54th Sts. and an addition to the Piedmont Avenue School at Piedmont and Echo Aves.

Plans were prepared by the Construction Dept. of Board of Education (C. W. Dickey in Charge), Everson Bldg., Oakland.

Alfred Olson, Everson Bldg., Oakland, submitted the lowest bid on the Piedmont Avenue School at $39,797, and C. D. Vezey, 1531 Alcatraz Ave., Berkeley, on the Santa Fe School at $25,762. Following is a complete list of the bids received.

**Santa Fe School**

| | |
|---|---|
| Alfred Olson | $39,797 |
| H. J. Christensen | 44,990 |
| G. A. Scott | 40,777 |
| W. P. Jones | 45,200 |
| C. D. Vezey | 46,720 |
| M. C. Vaughn | 41,471 |

**Piedmont Avenue School**

| | |
|---|---|
| A. Cederborg | $27,450 |
| T. Westlund | 25,865 |
| S. J. Bertelsen | 26,200 |
| C. D. Vezey | 25,762 |

All bids were taken under advisement.

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FRESNO, Cal.—At a special meeting of the Fresno Board of Education held on June 14th, at contract was awarded for the brick work on the Edison school to F. L. Erwin for the sum of $9250.

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BARSTOW, Fresno Co., Cal.—An election will be held in the Barstow School District June 30th to decide the question of issuing and selling bonds of $41,000 with which to finance construction of a new school building. Trustees of the District are: J. W. Holland, G. F. Bickel, W. M. Barcus.

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Bids Wanted for Heating and Plumbing. Bids Close June 30, 1920, 11 A. M.
SUNNYVALE, Santa Clara Co., Cal.
Heating and plumbing for a one-story reinforced concrete five-room school building.
Owner—Sunnyvale Grammar School District.
Architect—Ernest L. Norberg, 742 Market St., San Francisco.
General Contractor—Peck & Stickle, South San Francisco.

The plans and specifications for said building may be obtained from E. L. Norberg, architect, Bankers' Investment Building, 742 Market street, San Francisco, California.

NOTE—The closing date was reported as being June 28th, which was an error.

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FAIRFIELD, Solano Co., Cal.—No bids were received by the County Supervisors for the purchase of the Vallejo school bonds in the sum of $500,000.

Proceeds of the sale were to finance construction of new school buildings, plans for which are being prepared by Architects W. H. Weeks, 75 Post street, San Francisco and Perry & Clark of Vallejo.

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Contract Awarded.
SCHOOL Cost, $8,870
EDGEWOOD, Siskiyou Co., Cal.
One-story brick school.
Owner—Edgewood School District. E. H. Caldwell, Clerk, Edgewood.
Architect—Not Given.
Contractor—R. M. Reid, Grenada, Cal.

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LIVE OAK, Sutter Co., Cal.—Trustees of the Live Oak High School District have decided to call an election to vote bonds with which to finance construction of a new school building.

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Bonds Voted. Plans To Be Prepared.
HIGH SCHOOL Cost, $125,000
ELK GROVE, Sacramento Co., Calif.
Fireproof high school.
Owner—Elk Grove High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco, Calif.

## STORES AND OFFICES.

Contract Awarded.
STORE AND LOFT Cost, $20,000
SAN FRANCISCO, Cal. W Montgomery 137-6 N Sutter.
Two-story and brick store and loft.
Owner—I. Strassburger.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.

NOTE—This contract does not include plumbing, painting and wiring for which contracts will be awarded in a few days.

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Contract Awarded.
ALTERATIONS Cost, $4000 Approximately.
SAN FRANCISCO. Montgomery St.
Alter five-story brick loft building into offices (new entrance, interior partitions, trim, painting, papering, fixtures, marble work, etc.)
Owner—Title Insurance & Guarantee Co.
Architect—Arthur G. Scholz, Phelan Bldg., San Francisco.
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.

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Contractors Taking Sub-Figures.
AUTO SALES BLDG. Cost, $600,000
SAN FRANCISCO. NE O'Farrell Street and Van Ness Avenue.
Seven-story and basement reinforced concrete auto sales building.
Owner—Don Lee (Cadillac Motor Cars) 1601 Van Ness Ave., San Francisco.
Architects—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

Contractor Taking Sub-Figures On All Parts of the Work.
STORE AND LOFT BUILDING
Cost, $275,000 approximately.
SAN FRANCISCO. NE First and Mission Streets.
Five-story and basement reinforced concrete wholesale building.
Owner—C. C. Moore & Co., Sheldon Bldg., San Francisco.
Architect—Frederick H. Meyer, 742 Market St., San Francisco.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.
The occupants of the building will be Clayberg Bros., Lazare-Klein Company and Bauer Brothers.

Contract Awarded.
BUILDING Cost, $16,000
RAINIER, Wash. W Rainier Ave. bet. Graham and Morgan Sts.
Two-story steel frame and brick Telephone Exchange building.
Owner—Pacific T. & T. Co.
Engineer—E. V. Cobby, 333 Grant Ave., San Francisco.
Contractor—Dougan & Chrisman, Boston Blk., Seattle.

LOS ANGELES, Cal.—A permit was issued in June 1st for the erection of the 12-story and basement steel frame office building extension of the Pacific Mutual Life Insurance Co. at the northeast corner of Sixth street and Grand avenue, the valuation being given in the permit at $2,470,000. The Scofield Engineering Co., Wright & Callender Bldg., are the general contractors; W. J. Dodd and Wm. Richards, Brack Shops Bldg., architect and engineer. A permit for the foundation was issued several months ago.

SAN FRANCISCO, Cal.—Architect Archie T. Newsom, Nevada Bank Bldg., is preparing plans for store fixtures to be installed in two candy stores out of town. Figures will be taken shortly for the work.

Sub-Figures to be Taken.
STORE Cost, $6,000
SAN FRANCISCO. N Eddy Street 112-6 E Hyde Street.
One-story reinforced concrete store.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

## THEATRES.

June 12, 1920.
Excavation to Start July 15th.
OFFICE AND THEATRE BLDG.
Cost, $1,500,000 or more.
SAN FRANCISCO. Market and Taylor Streets.
Eight-story Class "A" office, store and Ttearte building, 187x152x27. (Loew's Metropolitan Theatre.)
Owner—Loew's Incorporated.
Architect—G. Albert Lansburgh, 709 Mission St., San Francisco.
Contractor—MacDonald & Kahn, Rialto Bldg., San Francisco.
Steel awarded to Dyer Bros., 17th and Kansas Streets.
NOTE—MacDonald & Kahn will take bids for the excavating shortly.

Contract Awarded.
THEATRE Cost, $——
LOS ANGELES, Cal. Hollywood Blvd. and McCullom St.
Motion picture theatre (2000 seats).
Owner—Sid Grauman.
Architect & Contractor—The Milwaukee Bldg., Co., 315 Wright & Callender Bldg., Los Angeles.

## IRRIGATION PROJECTS.

MARYSVILLE, Yuba Co., Cal.—The Yuba County Supervisors have approved plans and specifications for the bridge to be constructed across the Middle Yuba river at Freeman's crossing on the state highway between Nevada City and Downieville. The structure will be built by the State Highway Commission.

SANTA ANA, Cal.—Until 11 A. M., July 6, bids will be received by Supervisors of Orange County, for construction of 560-ft. extension of the Yorba bridge. The present bridge is 440 ft. long and 20 ft. wide. Estimated cost of extension $32,000. J. L. McBride, County Engineer.

MADERA, Madera Co., Cal.—W. R. Curtin, County Clerk, has been instructed to call bids for constructing a bridge over Picayune Creek on the Course Gold road, in the Fourth Road District.

OAKDALE, Stanislaus Co., Cal.—Failure of the Pacific Gas & Electric Company to submit the promised agreement for sale of storage water from the proposed Donnell's Flat reservoir at the meeting of the Oakdale Irrigation Board prompted the directors to adopt a resolution calling upon the State Commission for permission to issue bonds for construction of the Melones

The board submitted plans for the dam, prepared by H. H. Wadsworth, consulting engineer, who estimates the cost at $1,300,000, with an additional $300,000 for unforeseen contingencies. reservoir.

SAN DIEGO, San Diego Co., Cal.—E. D. Barclay was awarded the contract at $18,158.16 for constructing a timber bulkhead at the foot of Market street for the city. Chas. Steffgen bid $21,948.40 and John P. Hunter $36,000. The city will furnish materials.

OAKLAND, Cal.—After a denial by an official of the American Dredging Company that the concern's bid for the redredging of the inner harbor along the quay wall is excessive, the city council passed an ordinance appropriating $32,000 for the work and a resolution approving the bond of the company for its contract.

SAN RAFAEL, Marin Co., Cal.—The erection of a new bridge to replace the present structure between Belvedere and Tiburon was discussed at the last meeting of the Supervisors.

The Supervisors visited the bridge with County Surveyor Charles Richardson and decided to leave the permanent approaches to the bridge stand, use steel girders and install a concrete draw bridge with wooden uprights and ton. The improvement will cost about $8000 or $9000. The Belvedere people ask for a $40,000 bridge.

SACRAMENTO, Cal.—C. E. Upham of Emmation Landing, Sherman Island, Sacramento County, has obtained from the Supervisors of Sacramento County permission to construct and operate a wharf on the Sacramento river at Emmation Landing for a period of 20 years, beginning May 15. Upham has applied to the Railroad Commission for an order approving such franchise.

MADERA, Madera Co., Cal.—Quinton, Code & Hill, Hollingsworth Bldg., Los Angeles, have been appointed consulting engineers in charge of the storage works for the Madera Irrigation District's project on the San Joaquin river. They will design the proposed dam at Millerton, about 20 miles northeast of Fresno, and will have supervision of the construction of the dam and all its appurtenances. The proposed dam will raise the water 285 ft. and impound about 400,000 acre ft. It will be a gravity type concret masonry 3900 ft. long on top and will contain about 1,300,000 cu. yds. of masonry. This is three times the amount of material in the Roosevelt dam in Arizona, which raises the water 225 ft. A spillway will be constructed about one mile away from the dam discharging into another large gorge. Power development is also contemplated by diverting the water at a height of about 100 ft. About 50,000 kilowatts will be developed. The site selected is favorable to construction operations, being easy of access. A preliminary report on this project was made by Quinton, Code & Hill about two years ago. They will now proceed with the preparation of the final plans. Construction work will probably not be started until in the spring of 1921. Thomas H. Means of San Francisco, is consulting engineer for the district in charge of the distributing system. The entire project will cost from $15,000,000 to $20,000,000.

SAN LUIS OBISPO, San Luis Obispo Co., Cal.—The Supervisors rejected all bids received on June 8 for constructing a reinforced concrete bridge, consisting of nine spans of 90 ft. each over Salinas river at San Miguel. The bids were: Western Coast Construction Co., $129,-298; Healty Tibbitts Constr. Co., $139,-783; Ross Constr. Co., $217,562. Engineer's estimate, $115,000. Warren B. Burch, County Engineer.

## UNITED STATES CIVIL SERVICE EXAMINATIONS

Highway Bridge Engineer, $2,100 to $2,700 a year. Junior Highway Bridge Engineer, $1,320 to $1,920 a year. Examination to be held July 13, 1920. Apply for Form 1312.

Research Engineer, $3,000-$3,600 a year. Examination to be held July 20, 1920. Apply for Form 2118.

Assistant Explosives Engineer, $1,-620-$2,400 a year. Examination to be held July 20, 1920. Apply for Form 2118.

Computer, $1,400 a year. Coast and Geodetic Survey. Examination to be held July 21-22, 1920. Apply for Form 1312.

Electrical Engineer, $14 per Diem. Examination to be held July 27, 1920. Apply for Form 1312.

Further information and application blanks may be had from local Post Office.

Pacific PIPE

SAVES YOU MONEY

New and re-newed screw casing and standard pipe for every requirement; tested and guaranteed for 150 pounds working pressure; dipped in hot asphaltum to prevent corrosion. Extensively used by orcherdists and farmers, waterworks, mines, etc.

Pacific Screw Casing is seamless steel pipe, light weight, fine thread. Saves you from one-half to two-thirds in cost; freight is half as much as on standard pipe.

Fittings and valves for every purpose; special fittings made to order. Tell us today what your requirements are; let us save you money.

PACIFIC PIPE CO.,
231 Howard St. San Francisco

# Engineering.

## IRRIGATION PROJECTS.

YUBA CITY, Sutter Co., Cal.—July 7th is the date set by the Sutter County Supervisors to consider the report of State Engineer W. F. McClure on the proposed formation of the Feather River Irrigation District in Sutter County.

PHOENIX, Ariz.—Construction of the Horseshoe and Camp Verde dams to be built by the Paradise Valley Irrigation District, together with the diversion dam, distributing canal and laterals and power plants will cost $16,000,000, according to the engineer's estimates. The agreement between the Paradise Valley District and Secrstary of the Interior must be approved by the Salt River Valley Water Users' Association.

KLAMATH FALLS, Ore.—The landowners of the Klamath Drainage District have instructed the directors to authorize the issuance of $200,000 in bonds for the construction of a drainage system for the 20,000 acres of land in the district.

## MACHINERY.

CALEXICO, Imperial Co., Cal.—Until 7:30 P. M., June 28, bids will be received by trustees of Calexico school district, C. S. Anderson, clerk, for machinery and equipment, including American 36-in. bandsaw, Fay & Eagan 36-in. bandsaw, Oliver 36-in. bandsaw and three jointers, Lightning, American and Oliver.

BAKERSFIELD, Kern Co., Cal.—Up to 11 A. M., July 6th, bids will be received by F. E. Smith, County Clerk, for furnishing and installing a cold storage box approximately 12'x8'x11', outside sizes, and refrigerating and ice making apparatus for Kern County Hospital.

The plant wanted is the Audiffren-Singrun" Apparatus, as manufactured by the H. W. Johns-Manville Company of California. The general bid as submitted by the contractor, shall be based on the above apparatus. No type of apparatus will be considered that operates under high pressure, or which uses ammonia or any other dangerous gas.

Certified check for 10% payable to Chairman of Board of Supervisors required.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

EAGLE ROCK CITY, Los Angeles Co. Cal.—Until 8 P. M., July 6, bids will be received by City Clerk Benj. B. Martsolf for improving Ellis Ave. and Delaware Ave., between Broadway and Colorado Blvd. by grading and paving with 2-in. oil macadam and constructing cement curb and sidewalks; work to be done under Imp. Act of 1911. T. A. Jordan, Washington Bldg., Los Angeles, city eningeer.

TUCSON, Ariz.—The state highway department submitted the only bid at cost plus 10 per cent for constructing Sec. A of the Benson-Vail highway. Thos. Maddock, state engineer.

SAN DIEGO, Cal.—John Engebretsen, low bidder at $77,000 for the Tide St. paving, has refused to accept bonds in payment for the work and council has decided to defer the paving until the bonds can be sold.

LONG BEACH, Los Angeles Co., Cal.—Ordinances of intention for street work under Imp. Act of 1911 have been adopted by the city commission as follows:

Virginia Court between 8th and 9th Sts., Cypres Way between Magnolia and Chestnut Aves., and Opal Place between Magnolia Ave. and Virginia Court to be paved with one course concrete.

Alley in block 76, resub of Alamitos Beach townsite to be paved with concrete and bituminous protective coat.

First alley north of Broadway between Junipero and Kennebeck Aves., and first alley west of Kennebeck Ave. between Broadway and Junipero Ave. to be paved with one course concrete.

Park Court betwen Anaheim and 14th Sts. to be paved with one course concrete.

Alley in block 131, Alamitos Beach townsite, to be paved with one course concrete.

Alley in block R, Mira Mar tract, to be paved with one course concrete.

COLUSA, Colusa Co., Cal.—The Supervisor, T. D. Cain, Clerk, have appropriated $5,000 for repairing the road between Arbuckle and Sulphur Creek.

YUBA CITY, Suter Co., Cal.—At the last meeting of the County Supervisors, contracts were awarded to the Coast Rock & Gravey company for gravel at $1.60 per ton; Yuba River Sand company for sand at $1.15 per ton; Pacific Portland Cement company for cement at $4.03 per barrel; Pacific Coast Steel company for reinforced steel at $.0523 per pound.

The Coast Rock & Gravel company was given the contract for furnishing 3200 tons of rock at $1.60 a ton.

The materials will be used for County highway work under the bond issue.

BERKELEY, Alameda Co., Cal.—No bids were received by the City Council, A. G. Briggs, City Clerk, for scarifying, patching, surfacing with rock, asphalt and screenings streets, in accordance with specifications adopted by Resolution No. 8328-N S.

BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk has rejected bids submitted for furnishing approximately 8,500 cubic yards of rock, gravel and screenings to be used for street purposes, deliveries to be made commencing July 1, 1920.

The materials will be purchassd in the open market.

YUBA CITY, Sutter Co., Cal.—The Federal Construction Co., has been awarded a contract by the County Supervisors for building the 3.03 miles of the Nicolaus road from Bogue to Oswald.

The bid is $26,126 per mile for concrete pavement.

The contract for the building of 2½ miles of asphalt macadam highway known as the Nicolaus-Feather river road was awarded to D. C. Howard of Chico for $11,106 per mile.

SANTA BARBARA, Santa Barbara Co., Cal.—Until 2 P. M., July 6, bids will be received by supervisors of Santa Barbara County for constructing a pavement with crushed rock foundation and asphaltic concrete wearing surface with all necessary drainage structures in Road Imp. Dist. No. 1, under act of 1907. C. A. Hunt, county clerk. The work consists of grading, draining and paving about 11,000 lin. ft. of portions of 6th, 7th and 8th Sts., Linden, Maple, Walnut and Palm Aves. in the town of Carpirteria. The paving will consist of 4 in. of crushed rock and 2½ in. asphaltic concrete wearing surface.

SANTA CRUZ, Santa Cruz Co., Cal.—Marshall & Baker, Highway Contractors, submitted the best bid to the Supervisors at $3,172 for the purchase of highway equipment and tools and it was accepted.

NAPA, Napa Co., Cal.—The City Engineer has been instructed to prepare plans for the improvement of First street from Randolph to Franklin following the receipt of a petition from property owners in that thoroughfare asking that it be improved from Franklin to Jefferson streets.

TURLOCK, Stanislaus Co., Cal.—Plans for the water system for the Delhi Colony, near Turlock, are being completed according to Prof. Elwood Mead, Chairman of the State Land Settlement Board. A concrete pipe system will be installed and will irrigate 5,000 acres. It will be the largest concrete pipe system in the the San Joaquin Valley. The pipe will be manufactured at Delhi in buildings now in course of construction. Max. E. Cook is Farmstead Engineer.

MARTINEZ, Contra Costa Co., Cal.—Plans and specifications for the paving of the hill section east of Pine street have been approved by the City Trustees. The streets will be paved with concrete 24, 28 and 30 feet in width.

Plans for the construction of a sewer in Howard and Mill streets have also received the approval of the Trustees and a call for bids will be issued shortly. The sewer will relieve the outlet on the municipal water front property and will carry sewage into the Escobar street line.

W. S. Farley is City Engineer.

LODI, San Joaquin Co., Cal.—City Engineer Barzellotti is having grades established preparatory to the paving of East Elm, Main, Stockton, Lockeford and Church streets and Pleasant avenue.

A petition has been received by the Trustees asking the paving of two blocks in Lockeford street from School to Church Sts., and the alley through Block 7 from School to Church St., between Lodi and Walnut Sts.

CARSON CITY, Nevada.—The State Highway Commission, C. C. Cottrell, Highway Engineer, has awarded a contract to J. Woods, 336 Mill St., Reno, Nevada, at $4,166.10 for grading and installing culverts on the State Highway 0.42 miles south of Steamboat to Steamboat. The only other bidder was Armstrong and Baker of Reno, at $4,722.40.

WOODLAND, Yolo Co., Cal.—The Yolo County Supervisors are undetermined as to whether to continue with the program for a new highway system to cover every section of the county.

At a recent meeting the Board decided to advertise for bids for the next unit. If the bids are too high the road work will be dropped until such time as prices return to their normal level.

The Woodland-Rumsey, Davis-Winters and Elkhorn-Washington surveys have been completed and are to be advertised for.

OROVILLE, Butte Co., Cal.—City Engineer S. J. Norris has been instructed to prepare plans for the improvement of High street for its entire length.

FLAGSTAFF, Ariz.—Warren Bros. Co., 204 Noll Bldg., Phoenix, Ariz., was awarded the contract at $74,920.40 for paving 1.098 miles of state highway in the town of Flagstaff with 4-in. asphaltic concrete base and 2-in. Warrenite surface, using local sand. Other bidders were White & Miller of Yuma, Baudebaugh of Flagstaff, and Southwest Contracting Co. of Phoenix.

RIVERSIDE, Riverside Co., Cal.—The City Street Department submitted the only bid at $32,936.68 for paving Magnolia avenue, involving 229,461 sq. ft. oil macadam at 13c ft., 321 ft. culvert at $4.25 ft.; 348 ft. culvert at $3.75 ft., and 175 ft. 24-in. concrete pipe drainage sewer at $2.50 ft. Action was deferred until June 15.

LOS ANGELES, Cal.—A. D. Chalmers, 824 S. Harvard Blvd., was awarded the contract at $10,415.51 for improving Evergreen Ave. between First and Fourth Sts., involving 257 sq. ft. concrete paving at 50c ft.; 21,654 sq. ft. grading at 7c per ft.; 21,654 sq. ft. oiling and rolling at 7c ft.; 2334 ft. cement curb at 65c ft.; 11,472 sq. ft. cement sidewalk at 22c ft.; 4969 sp. ft. concrete gutter at 29c ft., and storm drain at $1773.30. Engineer's cost estimate, $8962.01. M. S. Cummings submitted a bid which was incomplete.

VISALIA, Tulare Co., Cal.—L. W. Davey, 32 Orange St., Long Beach, and C. J. Kilmer, 432 Lake St., Huntington Beach, submitted the lowest bid at $48,304.90 for constructing the Orosi-Orange Cove division of the county highway, 6.507 miles in length, involving 3904 cu. yds. excavation at $1 yd., and 6363 cu. yds. concrete paving at $6.98 yd.; county to furnish all materials estimated to cost $33,736.20; bids opened June 8, 1920. C. N. Construction Co. of Visalia, bid $53,183.65, $1.09 for excavating and $8.35 for paving. E. E. Herdman, Visalia, bid $60,020.57, $1.09 for excavating and $9 for paving. Engineer's estimate, $63,509.71, $1.60 for excavating and $9 for paving. Lawrence Moye, County Surveyor.

SACRAMENTO, Cal.—The City Commissioners have awarded a contract to the McGillivray Construction Co., of Sacramento, for improving 13th street from R to X streets by grading and paving with 5½ inches of asphalt concrete; for Marshall Way from 28th St. to Franklin Blvd. by grading; constructing concrete curbs and gutters and paving with asphaltic concrete. M. J. Desmond is City Clerk.

SANTA ROSA, Sonoma Co., Cal.—Petitions are being circulated requesting the Supervisors to build a concrete road through the business section of Penngrove from the State highway to Sonoma avenue.

W. W. Felt Jr., is County Clerk.

SAN RAFAEL, Marin Co., Cal.—The ordering of improvements in Sixth street has been postponed by the City Council until the next meeting. The City Engineer reported that he had decided upon a ten per cent grade and the cost of concrete gutters and curbs and permanent concrete pavement would be $3.92 a foot.

The City Engineer is completing plans for improvements in the Southern Heights District and will submit estimates of cost at the next meeting.

LODI, San Joaquin Co., Cal.—The construction of an additional septic tank is planned by the City Trustees. City Engineer Barzolotti has been instructed to make estimates of costs.

The Trustees at the last meeting discussed the proposed construction of storm sewers in the northern section of the city.

MODESTO, Stanislaus Co., Cal.—The Standard Paving Co., of Modesto, has been awarded a contract by the City Council W. O. Thompson, City Clerk, for the improvement of Thirteenth St., from the northwest line of L St. to the south line of Needham St., by grading and constructing a 4-inch concrete base with 1½-inch Bitulithic wearing surface, concrete curbs and gutters.

The Standard Paving Co., also received the contract for similar improvements in Twelfth St. from the northwest line of L to the southeast line of N street.

Work will be done under the Improvement Act of 1915.

LOS ANGELES, Cal.—An ordinance of intention for the new Broadway and Seventh St. sewer under Vrooman act was adopted by Council on June 2. A cement pipe sewer 18 to 24 inches diameter, will be constructed in Broadway between Fourth and Seventh Sts.; brick-concrete sewer, 27-in. diameter, in Seventh St. between Maple Ave. and Broadway; cement pipe sewer 15 to 18 in. diameter in Sixth St. between Broadway and Grand Ave.; 12-in. cement pipe sewer in Sixth St. at Hill St., and 8-in. cement pipe sewer in Olive St., at Sixth; manholes, junction chambers, lampholes and concrete reinforcement.

LOS ANGELES, Cal.—Rogers Bros. Co. 350 Merrick St., was awarded the contract June 7 at $68,900 for constructing a disintegrated granite pavement on the Lancaster-Terra Bonita road, in Road Improvement District No. 155.

SAN RAFAEL, Marin Co., Cal.—At $6,345 the County Supervisors have awarded a contract to S. P. Brownlee of San Rafael for macadamizing the County road between Wolfe Grade through Kentfield to the State Highway and along the County road through Schaefer's Grove to Ross. The road is to be graded on Wolfe's Hill and from Wolfe's Hill to Green Brae. One and a half miles of macadam will be put in and 1.95 miles of road graded and resurfaced.

## RAILROADS.

EUREKA, Humboldt Co., Cal.—The Mercer-Fraser Co., of Eureka, at $24,990 submitted the lowest bid to the U. S. Engineer Officer for the construction of the government railroad from the north jetty to connect with the Northwestern Pacific lines at Samoa.

The only other bidders were Elsemore & Jacobs of Eureka at $43,470.

Material is to be furnished by the government and the contract is for the grading and laying the track only. The road will connect with the Milwaukee spur about half way between the wreck of the Milwaukee and Samoa and will be approximately four miles long. There will be about 28,000 yards of grading to be done across the sand dunes.

# Official Proposals.

### NOTICE TO CONTRACTORS.

**Drawings and Specification No. 4199, Covering Cold Storage Insulation, Naval Base, Marine Barracks, San Diego, Calif.**

Attention is invited to the fact that proposals on the work mentioned above will be opened in the near future.

The drawings and specification may be obtained on application to the Bureau in Washington, D. C., to the Commandant, Twelfth Naval District, 417 Sheldon Building, San Francisco, Calif., or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their return within five days after the award of the contract.

The work consists of furnishing and installing complete: (a) the insulation and accessories for the cold storage and ante-room, freezing and water storage tanks and piping in the Industrial Building; and (b) the insulation and accessories for the refrigerators for the six barracks buildings.

The estimated cost is $25,000.

R. L. MARTIN,
Lieutenant Commander, C. E. C., U. S. N., By direction of Public Works Officer.

### NOTICE TO CONTRACTORS.

**Drawings and Specification No. 4157, covering Quartermaster's Storehouse, Marine Barracks, Naval Base, San Diego, Calif.**

Attention is invited to the fact that proposals will be opened in the near future on the work mentioned above.

The drawings and specification may be obtained on application to the Bureau in Washington, D. C., to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., or to the Commandant, Twelfth Naval District, Sheldon Building, San Francisco, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The work covers the erection of a two-story structure for use as a Quartermaster's Storehouse. The building will have reinforced concrete foundations supported on concrete piles; reinforced concrete columns, floors and low pitched roof construction, with built-up roofing; steep pitch wood roof construction with terra cotta tile roofing; hollow building tile walls and partitions, with stucco on exterior surfaces and plaster on interior surfaces; brick walls where indicated; suspended metal ceilings in archway and vestibules; artificial stone exterior trim; marble wainscot and partition; wood doors, trim and sash; metal covered doors and frames; steel rolling doors; complete plumbing, heating, and electric lighting and power systems; fire protection system, and two freight elevators.

The estimated cost is $145,000.00.

R. L. MARTIN,
Lieutenant Commander, C. E. C., U. S. N., By direction of Public Works Officer.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS for constructing the Somes Bar Bridge across the Salmon River in the Klamath National Forest, Siskiyou County, California, will be received by the District Engineer, Bureau of Public Roads, U. S. Department of Agriculture, at 836 Mills Building, San Francisco, California, **until 2:00 P. M. o'clock, on the 28th day of June, 1920,** at which time and place they will be publicly opened and read. The right is reserved to reject any and all bids, and none will be considered except those from contractors ascertained to be experienced and responsible.

The location is about ½ mile below Somes Bar and 6 miles above Orleans, on the Klamath River Road. It is about 77 miles from Trinidad, the terminus of the N. W. P. Ry.

The work consists of erecting a timber truss on concrete pier and abutment, with 70 ft. of timber trestle approach. The principal items are 1-150 timber truss containing 60 MBM of lumber and 15 tons of steel; 85 cu. yds. Class "A" concrete; 80 cu. yds. Class "B" concrete; 30 MBM lumber in trestle.

A road extends to a point ¾ mile from the bridge and the intervening section is now under construction and will open for traffic to the bridge by July 15, 1920. It will be kept open during the construction season.

Douglas Fir obtained locally will be used.

The work embraced in this contract shall be completed within 150 weather working days.

The contract form and the maps, plans, specifications, and estimates of quantities may be examined by responsible contractors at the following addresses:

886 Mills Building, San Francisco, Cal.
J. H. Obermuller, Somes Bar, California.

All proposals must be made on forms, and in accordance with instructions forming a part of the specifications above referred to.

C. H. SWEETSER,
District Engineer.

**BIDS WANTED FOR STEEL HANGARS, GENERATOR HOUSES, ETC.**

## ASPHALT PLANT FOR BAKERSFIELD COMPLETED

BAKERSFIELD, Cal., June 17—The Bakersfield Engineering Co.'s plant at Fifteenth and O Sts. will be ready for operation next Monday.

The concern will employ between twenty and thirty men and will be engaged exclusively in the manufacture of Willite paving, a new asphaltic paving process. Recently, the city council adopted the paving for the Union avenue project and the county supervisors accepted the Willite paving for the highways between and over the bridges on the Taft road at the Western Water works and resurfacing at the city limits over the bridges.

## SANTA FE CONSTRUCTING PITTSBURG SUBWAY

PITTSBURG, June 17—The Santa Fe railroad yesterday started construction of a subway beneath its tracks near the depot here. Plans for the subway were approved by the board of supervisors recently. The subway will cost $50,000.

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

**SAN FRANCISCO COUNTY.**

| | | | |
|---|---|---|---|
| 1593 | Nelson | Nelson | 3500 |
| 1594 | O'Connor | Arnott | 3000 |
| 1595 | Nelson | Nelson | 3500 |
| 1596 | Angelinich | Hayes | 500 |
| 1597 | Micheletti | Pasqualetti | 38000 |
| 1598 | Umbsen | Gilmour | 3375 |
| 1599 | Gunst | Goodman | 900 |
| 1600 | O'Neil | Braas | 800 |
| 1601 | Braun | Braas | 7000 |
| 1602 | Hagan | Owner | 500 |
| 1603 | Lopresti | Owner | 900 |
| 1604 | Garotherne | Gibson | 9000 |
| 1605 | Hurley | Mohler | 5000 |
| 1606 | Ratner | Atlas | 2687 |
| 1607 | Same | Gibbs | 5175 |
| 1608 | Same | Atlas | 2675 |
| 1609 | Moslas | Steinauer | 2900 |
| 1610 | Title Insurance | Schultz | 900 |
| 1611 | Urban Rity | Duncan | 8000 |
| 1612 | Rousseau | Owner | 5900 |
| 1613 | Green | Nilson | 500 |
| 1614 | Grosh | Owner | 500 |
| 1615 | Schanudas | De Benedetti | 750 |
| 1616 | Crocker Est | Owner | 400000 |
| 1617 | Vandall | Rednall | 690 |
| 1618 | Sutten | McKee | 12000 |
| 1619 | Reed | Owner | 945 |
| 1620 | Strassburger | Jensen | 20000 |
| 1621 | Walkup | Hamill | 3000 |
| 1622 | Anderson | Owner | 10000 |
| 1623 | Tilden | Sanborn | 700 |
| 1624 | Grant | Bradley | 2000 |
| 1625 | Denny | Urfer | 850 |
| 1626 | Ghirardelli | Ellingsen | 1500 |
| 1627 | Fraser | Mohler | 5000 |
| 1628 | Johnson | Nielsen | 1260 |
| 1629 | Giusti | Owner | 1875 |
| 1630 | Bell | Owner | 950 |
| 1631 | Redmen | Smale | 481 |

**PERMITS**

FRAME DWELLING
(1593) W FORESTSIDE 34 N Ulloa. Two-story and basement frame dwelling.
Owner—Fernando Nelson & Sons, West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $3500

FRAME RESIDENCE
(1594) E GRANADA 175 N Lakeview. One-story and basement frame residence.
Owner—Jos. O'Connor, 1560 Jackson St., San Francisco.
Architect—None.
Contractor—Jas. Arnott & Son, 2426 32nd Ave., San Francisco.
COST, $3000

FRAME DWELLING
(1595) W MADRONE 216 S Ulloa. Two story and basement frame dwelling.
Owner—Fernando Nelson & Sons, West Portal Park, San Francisco.
Architect—None.
Day's work. COST, $3500

ALTERATIONS
(1596) NO. 1221 POLK. Construct booths in restaurant.
Owner—Louis Angelinicb Premises.
Architect—None.
Contractor—J. T. Hayes, 110 Fern Ave., San Francisco.
COST, $500

**RECORDED**

GARAGE
(1597) NW HYDE AND RUSSELL N 70 W 68 S 10 W 31-4 S 60 E 100. All work for two-story and basement reinforced concrete garage building.
Owner—Estate of P. Micheletti.
Architect—August G. Headman, 747 Call Bldg., San Francisco.
Contractor—J. Pasqualetti (as American Concrete Co.), Humboldt Bank Bldg., San Francisco.
Filed June 12, '20. Dated June 10, '20.
Concrete poured to 1st floor....$7000
Concrete poured to 2nd floor.... 7000
Roofing completed ..... 7000
Completed and accepted..... 7500
Usual 35 days..... 9500
TOTAL COST, $38,000
Bond, $19,000. Sureties, Jno. J. Kingston and J. W. Andrews. Limit, 90 days. Forfeit, $15. Plans and specifications filed.

PLASTERING WORK, ETC.
(1598) NOS. 26 AND 30 MONTGOMERY. All work for plastering, etc.
Owner—Umbsen, Kerner & Eisert, 20 Montgomery St., San Francisco.
Architect—August G. Headman, 747 Call Bldg., San Francisco.
Contractor—Wm. G. Gilmour, 180 Jessie St., San Francisco.
Filed June 12, '20. Dated June 11, '20.
Exterior plastering completed..$1261
Completed and accepted..... 1270
Usual 35 days..... 844
TOTAL COST, $3375
Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

**PERMITS**

ALTERATIONS
(1599) N CALIFORNIA 100 E Drumm. Remove and replace concrete sidewalk.
Owner—M. A. Gunst, 601 Third St., San Francisco.
Architect—S. Schnaittacher, 233 Post St., San Francisco.
Contractor—Heerge Goodman Artificial Stone Co., 35 Montgomery, S. F.
COST, $900

ALTERATIONS
(1600) NO. 153 MONTGOMERY. New store front.
Owner—O'Neil & Co., 153 Montgomery St., San Francisco.
Architect—None.
Contractor—Brass & Kuhn Co., 1916 Bryant St., San Francisco.
COST, $800

ALTERATIONS
(1601) NO. 576 MISSION ST. Install office fixtures, painting, etc.
Owner—Braun, Knecht & Heiman, 576 Mission St., San Francisco.
Architect—None.
Contractor—Braas & Kuhn Co., 1916 Bryant St., San Francisco.
COST, $7000

ADDITION
(1602) NO. 796 MOULTRIE ST. Addition of one-half story to dwelling (3 rooms).
Owner—Phil. and Dan Hagan, Premises
Architect—None.
Day's work. COST, $500

MOVE DWELLING
(1603) NO. 2819 SAN JOSE AVE. Move dwelling to adjoining lot.
Owner—G. Lopresti, Premises.
Architect—None.
Day's work. COST, $900

FRAME RESIDENCE
(1604) W TWENTIETH AVE 275 N Balboa. Two-story and basement frame residence.
Owner—F. A. Garotherne, Phelan Bldg., San Francisco.
Architect—Owner.
Contractor—R. N. Gibson, Lankershim Hotel, San Francisco.
COST, $9000

FRAME DWELLING
(1605) W THIRTY-FIRST AVE 175 S Clement. One-story and basement frame dwelling.
Owner—Ambrose Hurley, 307 7th St., San Francisco.
Architect—None.
Contractor—T. E. Mohler, 380 5th Ave., San Francisco.
COST, $5000

CLASS "C" STORE
S MARKET 55 E New Montgomery. Two-story and basement Class "C" store.
Owner—John C. Brickell, Lick Bldg., San Francisco.
Architect—J. R. Miller, Lick Bldg., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
COST, $17,853
NOTE:—Recorded contract reported June 12, 1920, No. 7592.

**RECORDED**

APARTMENTS
(1606) S POST 137-3 E Hyde E 27-9x S 137-6. Electric work for four-story and basement Class "C" reinforced concrete apartment building.
Owner—Hyman M. and Bertha Ratner, 821 Post St., San Francisco.
Architect—Albert Schroepfer, Nevada Bank Bldg., San Francisco.
Contractor—Atlas Electric Co., 185 Stevenson St., San Francisco.
Filed June 14, '20. Dated June 7, '20.
Conduits in .....$700
Wiring in ..... 600
Completed and accepted..... 700
Usual 35 days..... 687
TOTAL COST, $2687
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(1607) PLUMBING ON ABOVE.
Contractor—J. Gibbs, 1708 Geary St., San Francisco.
Filed June 14, '20. Dated June 1, '20.
Roughed in .....$2280
Completed and accepted..... 1600
Usual 35 days..... 1295
TOTAL COST, $5175
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

(1608) STEAM HEATING, HOT water tank heater, and oil burning plant on above.
Contractor—Atlas Heating & Ventilating Co., 72 Freelon St., San Francisco.
Filed June 14, '20. Dated June 10, '20.
Steam piping roughed in.....$668.75
Boilers and tank set..... 668.75
Completed ..... 668.75
Usual 35 days..... 668.75
TOTAL COST, $2675.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1609) S HUGO — W Fourth Ave. All work except painting and papering for alterations and additions to building (dwelling).
Owner—I. Moslas 647 Central Ave., San Francisco.
Architect—A. W. Richardson, 941½ Church St., San Francisco.

Contractor—S. Steinauer, 3926-A Sacramento St., San Francisco.
Filed June 14, '20. Dated May 29, '20.
Building moved & foundation in..$725
Plastering and plumbing in..... 725
Standing finish on and ready for painter ..... 725
Usual 35 days..... 725
TOTAL COST, $2900.00
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported June 5th, 1920. No. 1513.

**PERMITS**

ALTERATIONS
(1610) NO. 250 MONTGOMERY. Alter offices; erect partitions, etc.
Owner—Title Insurance & Guaranty Co., Premises.
Architect—Arthur G. Scholz, 839 Phelan Bldg., San Francisco.
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.
COST, $900

RESIDENCE
(1611) W VICTORIA 160 S Urbano Drive. One-story and basement frame residence.
Owner—Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.
Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.
Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.
COST, $8000

STORE
(1612) N EDDY 112-6 E Hyde. One-story reinforced concrete store.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architects—Roussau & Rousseau, 110 Sutter St., San Francisco.
Day's work. COST, $5900

ALTERATIONS
(1613) NO. 11 BLAKE. Raise and make general alterations to present building; concrete work, etc.
Owner—Edward Green, 900 Oak St., San Francisco.
Architect—None.
Contractor—C. P. Nilson, 246 Waller St., San Francisco.
COST, $500

RETAINING WALLS
(1614) E UTAH 107-6 N Mariposa. Construct retaining walls.
Owner—Wm. Grosh, 2203 25th St., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1615) NW BRAZIL AND LISBON Alter store for living rooms.
Owner—Mrs. Schanudes, Premises.
Architect—None.
Contractor—A. De Benedetti, 30 Cotter St., San Francisco.
COST, $750

CLASS "A" OFFICE BLDG.
(1616) SW BUSH AND MONTGOMERY. Fifteen-story Class "A" office building.
Owner——Crocker Estate Co., Crocker Bldg., San Francisco.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.
COST, $400,000

FRAME GARAGE
(1617) SW FILBERT AND SCOTT (rear). One-story frame private garage.
Owner—Murray S. Vandall, 2509 Filbert St., San Francisco.
Plans by Contractor.
Contractor—W. W. Rednall, 2500 Filbert St., San Francisco.
COST, $690

STORE
(1618) N BUSH 50 W Franklin. One-story concrete store.
Owner—Frank Sutten, 1601 Sacramento St., San Francisco.
Architect—None.
Contractor—William McKee, 2201 California St., San Francisco.
COST, $12,000

ALTERATIONS
(1619) NE DIVISADERO & SUTTER. Re-arrange two stores; marble work, Kawneer mould, plate glass, etc.
Owner—Lucenda A. Reed, 2806 California St., San Francisco.
Architect—None.
Day's work. COST, $945

STORES AND LOFTS.
(1620) W MONTGOMERY 137-6 N Sutter. Two-story and basement brick store and loft building.
Owner—I. Strassburger, Care Architect
Architect—Sylvain Schnalttacher, 233 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
COST, $20,000

FACTORY
(1621) N NATOMA 100 W Seventh. One-story and basement frame map mounting factory.
Owner—W. B. Walkup, 447 Minna St., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 707 42nd Ave., San Francisco.
COST, $3000

FRAME FLATS
(1622) W FIFTEENTH AVE 75 N Anza. Two-story and basement frame (2) flats.
Owner—O. E. Anderson, 672 16th Ave., San Francisco.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Day's work. COST, $10,000

ALTERATIONS
(1623) NW FILLMORE AND GREEN. Install bathroom in attic of residence
Owner—T. C. Tilden, 2200 Green St., San Francisco.
Architect—None.
Contractor—L. Sanborn, 71 7th Ave., San Francisco.
COST, $700

ORNAMENT
(1624) NE GEARY AND MASON STS. Remove and replace cement cast oranment on hotel.
Owner—Joseph Grant, ———.
Architect—None.
Contractor, Peter Bradley, 180 Jessie St., San Francisco.
COST, $2,000

ALTERATIONS
(1625) NO. 752 HOWARD ST. Remove plaster partition; other changes on interior for office.
Owner—A. J. Denny, Santa Rosa, Cal.
Architect—None.
Contractor—Chas. E. Urfer, 134 Halleck St., San Francisco.
COST, $850

GARAGE
1(625) NO. 2741 VALLEJO ST. One-story concrete garage (private).
Owner—D. L. Ghirardelli, 2741 Vallejo St., San Francisco.
Architect—Albert Farr, 68 Post St., San Francisco.
Contractor—E. Ellingsen, 110 Jessie St., San Francisco.
COST, $1,500

BUILDING
(1627) N BALBOA 100 N TWENTY-fifth Ave. All work for a one-story and basement frame building.
Owner—Simon & Jessie M. Fraser, 3877 20th Ave., San Francisco.
Architect—None.
Contractor—Thos. E. Mohler, 256 8th Ave., San Francisco.
Filed June 17, '20. Dated June 17, '20.
Rough frame up.....$1,250
Brown coated ..... 1,250
Accepted ..... 1,250
Usual 35 days ..... 1,250
TOTAL COST, $5,000
Bond, none. Forfeit, none. Limit, 90 days. Plans and specifications none.

**PERMITS**

ALTERATIONS
(1628) N MAYNARD 150 E Caut. Raise and make general alterations to residence.
Owner—William E. and Susan Johnson, 131 Maynard St., San Francisco.
Architect—None.
Contractor—F. & J. Nielsen, 2350 Bryant St., San Francisco.
COST, $1260

ALTERATIONS
(1629) NE PACIFIC AND MONTGOMery. Re-arrange rooms and alter stores on ground floor, cement and tinting work.
Owner—S. A. Giusti, 617 Sansome St., San Francisco.
Architect—None.
Day's work. COST, $1875

ALTERATIONS
(1630) N TWENTY-FOURTH 93 W Mission. Alter lower floor for store, cement floor, etc.
Owner—James L. and Doretta Bell, 4563 25th St., San Francisco.
Architect—None.
Day's work. COST, $950

**RECORDED**

ALTERATIONS
(1631) NO. 240 GOLDEN GATE AVE. All work for alterations to hall in building.
Owner—Redmen's Hall Ass'n., Prem.
Architect—None.
Contractor—Smale & Moulile.
Filed June 18, '20. Dated June 12, '20.
Work ⅓ completed.....$120
Work ⅔ completed..... 120
Completed ..... 120
Usual 35 days..... 121
TOTAL COST, $481
Bond, $241. Sureties, Marie Servel and H. S. Thomson. Limit, 10 days. Forfeit, none. Plans and specifications none.

## COMPLETION NOTICES

**SAN FRANCISCO COUNTY.**

June 14, 1920—LOT 35 BLK 1, Fair's Sub Holly Park. Tony Becich to Thomas McCormick....June 11, 1920
June 16, 1920—S BUSH 68-6 E Powell E 69xS 67-6. Geo A Webster to Louis Cohn.....June 7, 1920
June 15, 1920—NW FOURTEENTH & Dolores N 316-5¼ SW 147 S 223 m or 1 E 92. Adrienne, Nellie, and Chas E Thompson to H Maundress & Co, Lyden & Bickel, Mission Concrete Co, and Frederick W Snook Co.....June 14, 1920

June 15, 1920—NW FOURTEENTH & Dolores N 316-5¼ SW 147 S 223 m or 1 E 92. Adrienne, Nellie and Chas E Thompson to Percy Sheet Metal Works.....June 10, 1920
June 15, 1920—NW FRONT & PINE. Arthur F Rousseau to whom it may concern.....June 15, 1920
June 12, 1920—SW GEARY AND 15th Ave W 142 S 100 E 39-5½ SE 0-5¾ E 102-5¾ — 105. Ben Schloss to Andrew Nelson.....June 7, 1920
June 12, 1920—E 17-6 LOT 42 N 20 Lot 43, Blk. 27, Lakeview. The McCarthy Co to James Arnott & Son .....June 10, 1920
June 12, 1920—S NEY 7-6 E MISSION E 50xS 80 Ptn Lots 1 and 2 Blk 3, College Homestead Ass'n. Michael Costello to whom it may concern.. .....June 10, 1920
June 12, 1920—SE SAN JOSE AVE. 201.2 SW Ottowa; No. 2555, San Jose Ave. Hugo A. Cuppers and

Sarah M (his wife) and R. W. Gillogley to Henry C. Matthies.....
.....June 4, 1920
June 12, 1920—S FLOOD AVE. 175 E Forester E 25x100 Lot 16, Block 18, Sunnyside. Jas. Arnott to James Arnott & Son.....June 11, 1920
June 12, 1920—W FAXON AVE. 160 N Grafton N 60xW 112-6 Lot 47 ptn. Lots, 45 and 48, Block 22, Lakeview. Jas. Arnott to Jas. Arnott & Son.....June 11, 1920
June 12, 1920—S FULTON 181-6 E Clayton. Alfred T. Morris to whom it may concern.....June 12, 1920

## RELEASE OF LIENS

### SAN FRANCISCO COUNTY.

Recorded Amount
June 12 1920—NW CLARA 75 W Ritch SW 25xNW 75. Edward D. Swift (as Swift & Co.); National Mill & Lumber Co.; H. J. Spring; H. Roeenberg (as Pacific Electric Construction Co.) to L. and Bernardina Hartley.

## LIENS FILED

### San Francisco

June 15, 1920—NW MARKET 58 SW Church; No. 2106 Market. Jno T Harmes, Gdn, to C Jorgensen. 5 years. $3600.
June 15, 1920—SW CHURCH AND 14th W 45 SE 41 NE 38; No. 2100 Market St. Jno T Harmes, Gdn, to Waldemar Hawkinson. 5 years. $6000.
June 15, 1920—NW MARKET 38 SW Church SW 20; No. 2104 Market St. Jno T Harmes, Gdn, to H G Darrimon. 5 years. $3000.
June 15, 1920—N WASHINGTON 150-3 W Van Ness Ave W 55xN 127-8¾. Louis R Lurie to King Holloway Co., R E Holloway, Edward K Knox and Henry Hecker. 10 years. $48 000.
June 14, 1920—NO. 517 CASTRO ST. E line bet. 18th and 19th Sts. Anton and wife Lena Pfardler to John Mueller. 5 years. $6000.
June 14, 1920—N TWENTY-NINTH 41 W Mission. Gustafh Johnson to John Staudt and A C White. 6 months. $3480.
Recorded Amount
June 14, 1920—W JONES 107-6 S Bush S 30xW 107-6. J M Johnson vs D J Clancy.....$2111.20
June 11, 1920—N McALLISTER 82-6 W Pierce W 55xN 137-6. Gustave Fricke vs. E. A. Schmidt and Sophie A. Krueger .....$1,256.40
June 10, 1920—W SANCHEZ 57 N 21st St. No. 750 Sanchez. The Greater City Lumber Co. vs. Harriet W. Lampe and Ralph C. Lampe .....$179.05

## MATHEWSON SUIT TO BE HEARD IN KINGS COUNTY

MADERA, Cal.—Madera county may learn the high cost of side-stepping the high cost of building. That county proposed some months ago to build a county hospital and alms house, according to Architect E. Mathewson, and later abandoned the idea. Mathewson claims he was employed to draw plans and specifications and was to get 6 per cent for his work. The building was to cost $100,000. The work was not done, though Mathewson says he performed his work and he wants $3,000 from Madera county.

The action brought by Mathewson was filed in Fresno county, but as it is "brought against a county in which the plaintiff is a resident," the case has been set to neutral ground in Kings county for trial, by order of Judge Cashin of Fresno county.—Hanford Journal.

## BUILDING CONTRACTS

### ALAMEDA COUNTY.

| | | | |
|---|---|---|---|
| 1340 | Coast Tire | Foundation | 250000 |
| 1341 | Cal Packing | Pattinson | 2000 |
| 1342 | Swenson | Smith | 2400 |
| 1343 | Lakeshore | Strang | 7000 |
| 1344 | Same | Same | 7000 |
| 1345 | Gehring | Owner | 600 |
| 1346 | Halbert | Williams | 3800 |
| 1347 | Egan | Bassett | 1450 |
| 1348 | Union Presb. | Strang | 9000 |
| 1349 | Lindgren | Owner | 800 |
| 1350 | Halbert | Williams | 3979 |
| 1351 | Smith | Kidder | 2800 |
| 1352 | S. P. Co. | Owner | 1100 |
| 1353 | Pac. G. & E. | Owner | 10000 |
| 1354 | Kirtley | Owner | 500 |
| 1355 | Watson | Owner | 2650 |
| 1356 | Cohn | Skaggs | 1250 |
| 1357 | Collins | Owner | 2000 |
| 1358 | MacLafferty | Anderson | 3000 |
| 1359 | Talmage | Rose | 15000 |
| 1360 | Ruthburn | Owner | 500 |
| 1361 | Claremont | Mason | 7000 |
| 1362 | Nichos | Magneson | 500 |
| 1363 | Harrold | Westlund | 10190 |
| 1364 | Anderson | Owner | 4000 |
| 1365 | Child | Sydes | 800 |
| 1366 | Ollestad | Lovejoy | 1500 |
| 1367 | Erwin | Owner | 4500 |
| 1368 | Schroder | Owner | 2000 |
| 1369 | Reed | Anderson | 4900 |
| 1370 | Mellberg | Thaxter | 500 |
| 1371 | Marquis | Owner | 9000 |
| 1372 | Taylor | Button | 1000 |
| 1373 | Shredded Wheat | Palmer | 44500 |
| 1374 | Moore | Whalen | 450 |
| 1375 | Palfreyman | Pacific | 5000 |
| 1376 | Levy | Pearce | 5426 |
| 1377 | R C Archb. | Fennell | 137960 |
| 1378 | Mills | Long | 400 |
| 1379 | Burr | Ramm | 400 |
| 1380 | Hally | Conant | 3000 |
| 1381 | Hally | Conant | 3000 |
| 1382 | Hillen | Owner | 3900 |
| 1383 | Same | Owner | 3900 |
| 1384 | Walnut | Lydikson | 1500 |
| 1385 | Hanlon | Owner | 10000 |
| 1386 | Corvi | Wallace | 1000 |
| 1387 | Schafer | Kopf | 5277 |
| 1388 | Cerimele | Damonte | 500 |

FACTORY
(1340) FORTY-EIGHTH & FIFTIETH Aves., E-10th and E-12th Sts., Oakland. One-story concrete tire factory
Owner—Coast Tire & Rubber Co., Syndicate Bldg., Oakland.
Architect—None.
Contractor—The Foundation Co., 58 Sutter St., San Francisco.
COST, $250,000

NURSERY
(1341) FORTIETH AND HALLECK Sts., Oakland. One-story three-room nursery.
Owner—California Packing Corp., 101 California St., San Francisco.
Architect—None.
Contractor—J. Pattinson, 925 The Alameda, Berkeley.
COST, $2000

ALTERATIONS
(1342) NOS. 95-97-103 FORTY-FIRST St., Oakland. Alterations and addition to buildings.
Owner—J. A. Swenson, 54 Glen Ave., Oakland.
Architect—None.
Contractor—S. P. Smith, 1813 63rd St., Oakland.
COST, $2400

DWELLING
(1343) S HUBERT ROAD 600 W Sunnyhill Road, Oakland. Two-story 6-room dwelling.
Owner—Lakeshore Highlands.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $7000

FRAME DWELLING
(1344) N HUBERT ROAD 380 W Sunnyhill Road, Oakland. Two-story 6-room frame dwelling.
Owner—Lakeshore Highlands.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $7000

ALTERATIONS
(1345) NO. 447 MOSS AVE., Oakland. Alterations.
Owner—E. E. Gehring, Premises.
Architect—None.
Day's work. COST, $600

DWELLING
(1346) E RICHMOND BLVD. 500 S Moss Ave., Oakland. One-story 5-room dwelling.
Owner—W. H. Halbert, 81 Fairmont Ave., Oakland.
Architect—None.
Contractor—Chas. C. Williams, Syndicate Bldg., Oakland.
COST, $3800

DWELLING
(1347) W THIRTY-FIFTH AVE 250 N E-8th, Oakland. One-story 3-room dwelling.
Owner—M. C. Egan, 601 Hobart St., Oakland.
Architect—None.
Contractor—E. D. Bassett, 804 Fruitvale Ave., Oakland.
COST, $1450

ALTERATIONS
(1348) W UNION 50 S Ninth St., Oakland. Alter and add to church.
Owner—Union Presbyterian Church.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $9000

DWELLING
(1349) S CARLTON 120 E Mabel, Oakland. One-story 2-room dwelling.
Owner—Sam E. Lindgren, 1116 Delaware St., Oakland.
Architect—None.
Day's work. COST, $800

DWELLING
(1350) E RICHMOND AVE — S Moss Ave., Oakland. All work for one-story dwelling.
Owner—W. N. Halbert, 81 Fairmont Ave., Oakland.
Architect—None.
Contractor—Chas. C. Williams, Syndicate Bldg., Oakland.
Filed June 14, '20. Dated June 7, '20.
Owner pays bills.....
ESTIMATED COST, $3979; Contractor to get $318.
Bond, limit, forfeit, none. Plans and specifications filed.
NOTE:—Permit reported June 14, 1920. No. 1346.
5638 Oak Grove St., Oakland; garage; owner, T. Hopkins, Premises; contractor, E. Campomenosi, 5238 Lawton Ave., Okd.; cost, $325.

ADDITION
(1351) E CLAREMONT AVE. 150 S College, Oakland. One-story brick addition to garage.
Owner—B. L. Smith, Tracy, Cal.
Architect—None.
Contractor—H. C. Kidder, 2075 Addison St., Berkeley.
Cost, $2,800

ADDITION
(1352) FORTY-SEVENTH AVE. AND E-14th St., Oakland. Addition.
Owner—So. Pac. Co.
Architect—None.
Day's work. COST, $1 100

FOUNDATION
(1353) FIRST AND JEFFERS[illegible]TS., Oakland. Concrete founda[illegible]
Owner—Pacific Gas & Electri[illegible] $2000[illegible]43 Sutter St., San Francisco.
Architect—None.
Day's work. COST, $10,000

ADDITION
(1354) NO. 865 FIFTY-SECOND ST., Oakland. Addition.
Owner—C. J. Kirtley, Premises.
Architect—None.
Day's work. COST, $500

DWELLING
(1355) E HIGH ST. 75 S Congress, Oakland. One and one-half-story five-room dwelling.
Owner—B. M. Watson, 2300 High St., Oakland.
Architect—None.
Day's work. COST, $2,650

ALTERATIONS
(1356) NO. 611 Merrimac, Oakland. Alterations.
Owner—Mrs. A. Cohn, Premises.
Architect—None.
Contractor—J. H. Skaggs, 536 44th St., Oakland.
COST, $1,250

DWELLING
(1357) NW COR. SEVENTY-SECOND Ave and Spencer, Oakland. One-story four-room dwelling.
Owner—J. H. Collins, 825 57th St., Oakland.
Architect—None.
Day's work. COST, $2,000

ALTERATIONS
(1358) NO. 530a SIXTEENTH ST., Oakland. Alterations.
Owner—J. H. MacLafferty, Premises.
Architect—None.
Contractor—John Anderson, 874 34th St., Oakland.
COST, $3,000

ALTERATIONS
(1359) W TELEGRAPH AVE. 120 N 35th St., Oakland. Alterations and addition (dwelling to apartments).
Owner—Frank Talmage, 3527 Telegraph Ave, Oakland.
Architect—None.
Contractor—Mervin P. Rose, 1645 Stuart St., Berkeley.
COST, $15,000

DWELLING
(1360) N WISCONSIN W MIDVALE, Oakland. One-story three-room dwelling.
Owner—Chas. T. Rathburn, 3832 Hopkins St., Oakland.
Architect—None.
COST, $500

DWELLINGS
(1361) E TUNNEL ROAD 200 and 275 N Alvarado Road, Berkeley. Two one and one-half-story 6-room dwellings
Owner—Claremont Land Co., Shattuck and Addison, Berkeley.
Architect—None.
Contractor—Mason, McDuffie Co., Shattuck and Addison, Berkeley.
COST, $3500 each

ALTERATIONS
(1362) NO. 2707 COLLEGE AVE., Berkeley. Alterations.
Owner—W. W. Nichos, Premises.
Architect—None.
Contractor—O. M. Magneson, 2712 College Ave., Berkeley.
COST, $500

RESIDENCE AND GARAGE
(1363) NW COR. LA SALLE AND Crocker Aves 125x150, Piedmont. All work for two-story and basement frame dwelling and garage.
Owner—H. W. Harrold, 1180 Mandana l., Oakland.
Architect—Sidney B. and Noble New-(1617) Nevada Bank Bldg., San Francisco.
Contractor—F. J. Westlund, 2207 10th Ave., Oakland.
Filed June 15, '20. Dated June 15, '20.
Foundation completed ..... 1-5
Frame up ..... 1-5
Brown coated ..... 1-5
Completed and accepted..... 1-5
Usual 35 days..... 1-5
TOTAL COST, $10,190
Bond, none. Limit, 100 days. Forfeit, $10. Plans and specifications filed.

DWELLING
(1364) N DELAWARE 51 E Peralta Ave., Oakland. One-story 5-room dwelling.
Owner—A. Frederick Anderson, 4332 Leach Ave., Oakland.
Architect—None.
Day's work. COST, $4000

DWELLING
(1365) E FIFTY-FIFTH AVE 70 S Walnut, Oakland. One-story 3-room dwelling.
Owner—R. Child.
Architect—None.
Contractor—E. C. Sydes, 1414 Mera St., Oakland.
COST, $800

DWELLING
(1366) FRUITVALE ACRES, Oakland. One-story 4-room dwelling.
Owner—Aug. Ollestad, 1355 E-37th St., Oakland.
Architect—None.
Contractor—F. V. Lovejoy, 1309 E-37th St., Oakland.
COST, $1500

ALTERATIONS
(1367) NO. 76, 78 TWELFTH St., Oakland. Alterations (two-story dwelling into apartments).
Owner—F. O. Erwin, 851 34th Ave., Oakland.
Architect—None.
Day's work. COS T,$4,500

DWELLING
(1368) S SIXTY-SIXTH ST. 70 E San Pablo Ave., Oakland. One-story four-room dwelling.
Owner—A. G. Schroder, 66th and San Pablo Ave., Oakland.
Architect—None.
Day's work. COST, $2,000

DWELLING
(1369) W THE ALAMEDA 100 S Catalina, Berkeley. One-story six-room dwelling.
Owner—H. C. Reed, Oxford St., Berkeley, Cal.
Architect—None.
Contractor—George W. Anderson, 584 16th St., Oakland.
COST, $4,900

ADDITION
(1370) NO. 1612 PRINCE ST., Berkeley. Addition.
Owner—O. H. Mellberg, Premises.
Architect—None.
Contractor—F. W. Thaxter, 2117 Derby St., Berkeley.
COST, $500

DWELLINGS
(1371) W HIGH 60, 100 and 140 S San Carlos, Oakland. Three one-story 5-room dwellings.
Owner—E. M. Marquis, 2827 Russell St., Berkeley.
Architect—None.
Day's work. COST, $3000 each

ADDITION
(1372) NO. 6413 HILLEGASS, Oakland. Addition.
Owner—J. B. Taylor, Premises.
Architect—None.
Contractor—I. W. Button, 347 63rd St., Oakland.
COST, $1000

GRAIN BINS
(1373) E POPLAR 175 S 14th St., Oakland. Concrete grain bins.
Owner—Pacific Coast Shredded Wheat Co., Premises.
Architect—None.
Contractor—Palmer & Peterson, Monadnock Bldg., San Francisco.
COST, $44,500

REPAIRS
(1374) NO. 2828 SUMMIT ST., Oakland. Repairs and additions.
Owner—Dr. Moore, Premises.
Architect—None.
Contractor—W. E. Whalin, 323 Lester Ave., Oakland.
COST, $450

TANK TOWER
(1375) E TWENTY-NINTH AVE opp. E-11th St., Oakland. Frame tank tower.
Owner—A. W. Palfreyman Packing Co.
Architect—None.
Contractor—Pacific Tank & Pipe Co., 318 Market St., Oakland.
COST, $5000

DWELLING
(1376) E THIRTY-FIRST AVE 37.91 S E-13th St., Oakland. One-story 7-room dwelling.
Owner—Lazare and Esther Levy, 1328 Fruitvale Ave., Oakland.
Architect—None.
Contractor—J. C. Pearce, 6932 Lockwood St., Oakland.
Filed June 16, '20. Dated June 12, '20.
Garage completed .....$ 300
Lumber on grounds..... 500
Frame up ..... 1500
Plastered ..... 1000
Completed ..... 1000
Usual 35 days..... 1126
TOTAL COST, $5426
Bond, none. Limit, 120 days. Forfeit, $1. Plans and specifications, none.

CHURCH
(1377) E THIRTY-FOURTH AVE 387.02 N FOURTEENTH St. E 334.39 N 105.52, Oakland. All work for reinforced concrete church.
Owner—Roman Catholic Archbishop of San Francisco, 1100 Franklin St. San Francisco.
Architect—John J. Foley, 770 5th Ave., San Francisco.
Contractor—Fennell & Chisholm, 180 Jessie St., San Francisco.
Filed June 16, '20. Dated June 14, '20.
25th day of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $137,960
Bond, $69,000. Sureties, D. J. Sullivan and Chas. Van Damme. Limit, 9 months Forfeit, $25. Plans and specifications filed.

ADDITION
(1378) NO. 2823 FOREST AVE., Berkeley. Addition.
Owner—Mrs.. Philo Mills, 2035 Haste St. Berkeley.
Architect—None.
Contractor—Roy O. Long Co., 2146 Haste St., Berkeley.
COST, $400

GARAGE
(1379) NO. 2610 HILLEGASS AVE., Berkeley. Garage.
Owner—Mrs. Ada J. Burr, Hayward.
Architect—None.
Contractor—P. J. Ramm, 318 Estudillo Ave., West San Leandro.
COST, $400

DWELLING
(1380) MADISON ST., bet. Fountain & High Sts., Alameda. One-story five-room dwelling.
Owner—Hally & Co., 2315 Santa Clara Ave., Alameda.
Architect—None.
Contractor—J. C. Conant, Central Ave., COST, $3000

DWELLING
(1381) SAN JOSE AVE. bet. Fountain and High Sts., Alameda. One-story five-room dwelling.
Owner—Hally & Co., 2315 Santa Clara Ave., Alameda.
Architect—None.
Contractor—J. C. Conant, Central Ave., Alameda.
COST, $3000

DWELLING
(1382) W BELVEDERE 202 N Ygnacio, One-story 5-room dwelling.

Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3900

DWELLING
(1383) NE WENTWORTH AND FAIRfax Ave., Oakland. One-story 5-room dwelling.
Owner—R. C. Hillen, 5364 Trask St., Oakland.
Architect—None.
Day's work. COST, $3900

ADDITION
(1384) NE FORTY-FIRST AND MARket, Oakland. Additlon.
Owner—Walnut Grove Creamery Co., Premises.
Architect—None.
Contractor—G. H. Lydikson, 1244 29th Ave., Oakland.
COST, $1500

DWELLING
(1385)NE LENOX AND VAN BUREN, Oakland. Two-story 9-room dwelling.
Owner—D. J. Hanion, Hanlon Shipyards, Oakland.
Architect—N. W. Sexton, 234 Pine St., San Francisco.
Day's work. COST, $10,000

STORE
(1386) NO. 3346 ADELINE ST., Berkeley. One-story store.
Owner—Lui Corvl, 3342 Adeline St., Berkeley.
Architect—None.
Contractor—Wallace Bros., 717 63rd St., Berkeley.
COST, $1000

DWELLING
(1387) N MORAGE ROAD, Oakland. One-story 6-room dwelling.
Owner—Howard Schafer, 3844 Linwood Ave., Oakland.
Architect—None.
Contractor—Ben F. Kopf, 1015 82nd Ave., Oakland.
COST, $5277

REPAIRS
(1388) NO. 1015 FIFTH ST. Oakland. Fire repairs.
Owner—Frank Cerimele, Premises.
Architect—None.
Contractor—F. Damonte, 1326 Kearny St., San Francisco.
COST, $500

## COMPLETION NOTICES

### ALAMEDA COUNTY.

Recorded Accepted
June 16, 1920—LOTS 8 Central Piedmont Extension, Piedmont. Carl I and Margaret K Warnecke to whom it may concern...June 1, 1920
June 16, 1920—LOT 9 BLK 8 Map Thousand Oaks Station, Berkeley. Herbert G Spotswood to H H Schuessler.....June 15, 1920
June 16, 1920—LOT 3 BLK "C" Lakewood Park, Piedmont. Fannie Bercovich to Harry Schwalm..... .....June 12, 1920
June 15, 1920—N SUTTER ST. 275.39 W High St, W 35 N 98.26, Oakland. Waterfront Sash & Door Co. to whom it may concern..June 15, 1920
June 15, 1920—S SUTTER ST. 150.27 W High St. W 35 S 98.26, Oakland. Waterfront Sash & Door Co. to whom it may concern..June 15, 1920
June 14, 1920— FRANKLIN ST., 14th to 21st Sts.; 21st St., Broadway to Telegraph; 21st St., San Pablo to Curtis; 20th St., Franklin St. to Curtis, Okd. S P Co to Ransome-Randle Co. ..... June 11, 1920
June 11, 1920—SE COR. HIGH ST. and S. P. Railroad, Oakland. Alma Smith to S. A. Warner..June 8, 1920
June 12, 1920—LOT 6 ELMWOOD Court, Berkeley. Anita J. Hill to G. A. Scott.....June 11, 1920
June 11, 1920—PART LOT 2, BLK. B Revised Map Oak Tree Farm Tract, Oakland. A. W. Flanagan to J. G. Hart .....May 25, 1920

## RELEASE OF LIENS

### ALAMEDA COUNTY.

June 16, 1920—SE ELEVENTH AND Washington 100x90.50, Okd. Sidney B Newsom to Geo F Lowe & Co et al .....$1350

## HOMESTEADS

### ALAMEDA COUNTY.

June 15, 1920—NW OLIVE 112-6 NE Elm NE 31-6xNW 100, Oakland. Amella Pettebone (wf Orlando L) ..... .....$3000
June 15, 1920—LOT 8 BLK "H" Foothill Park, Okd. A G Lafleur....$5000
June 14, 1920—W McKINLEY AVE 130 N Allston Way W 90 N to Strawberry Creek NE to McKinley Ave S 58, Berkeley. Katherine F Kraft (wf George W).....$5000
June 17, 1920—N BERKELEY WAY 50 W Grove N 125xW 50, Berkeley. Echo de Menze (wf Francisco)..$3000
June 16, 1920—SE SIXTEENTH AVE 90 SW E-15th. SW 50xSE 50, Okd. Frank Vlerira .....$900
June 16, 1920—S FORTY-SECOND 667.13 W Telegraph Ave NW 35 SW 98.63 E 35.03 NE 100.31, Okd. Maybelle E Miller (wf George W)..$4500

## LIENS FILED

### ALAMEDA COUNTY.

June 12, 1920—SW COR. THIRTY-fifth and Grove Sts. W 126 S 75 W 5 S 15 W 35 S 30-3 E 66 N 51 E 100 N 69-3, Oakland. Axel Sommarstrom vs. Joseph and Mary Gezo.. ..... ..... .... .....$1,187.41

June 12, 1920—SE HOWE ST. 517.5 NE Moss Ave. NE 30 SE 125, Oakland. David Berger.....$3,000
June 11, 1920—E UNION ST. 350 N 30th St. N 25 E 133.25, Oakland. Lizzie Blomquist (wf John)....$1,100
June 12, 1920—SE EIGHTY-FIRST Ave, 104.8 SW E-14th St. SW 36 SE 76, Oakland. Lawrence B. Wills.. ..... .....$2,000

## Notice of Non-Responsibility

### ALAMEDA COUNTY.

June 12, 1920—SW HATHAWAY AVE and A St. SW 2326.81 for pt. beginning NW 405.26 SW 114.04 SE 358.67 NE 123.19, Eden Tp. Hayward Investment Company as to improvements on leased property..

## BUILDING CONTRACTS

### SANTA CLARA COUNTY.

BUILDING
S FIRST Bet. William and Reed, San Jose. Concrete business building.
Owner—E. Levin, 640 S 1st St., San Jose.
Architect—W. Phillips, 163 N 13th St., San Jose.
Contractor—J. H. Miller, 101 S 16th St., San Jose.
COST, $13,000

BUILDING
S MARKET near San Carlos, San Jose. Concrete business building.
Owner—Isaacson & Lindquist.
Architect—Binder & Curtis, Binder Bldg., San Jose.
Contractor—R. O. Summers, 17 N 1st St., San Jose.
COST, $12,070

ALTERATIONS
SAN FERNANDO near 3rd, San Jose. Alterations.
Owner—Williams Bakery, 121 E-San Fernando, San Jose.
Architect—None.
Contractor—Guy Latta, 81 E-William San Jose.
COST, $500

ALTERATIONS
NO. 278 TERRAINE, San Jose. Alterations.
Owner—Mrs. J. Lingua, 278 Terraine, San Jose.
Architect—None.
Day's work. COST, $500

COTTAGE
S -FIFTEENTH ST., near William, San Jose. Six-room cottage.
Owner—F. O. Nelson.
Designer—F. C. Nelson.
Contractor—F. C. Nelson, 34 S-15th St., San Jose.
COST, $6000

RESIDENCE
S-SECOND AND HUMBOLDT STS., San Jose. Six-room residence.
Owner—P. Bisceglia, 80 Edwards St., San Jose.
Architect—None.
Day's work. COST, $9000

PACKING HOUSE
EIGHTH AND JACKSON STS., San Jose. Three-story brick packing house.
Owner—California Packing Corp.
Architect—Engineer of Owner.
Contractor—R. O. Summers, 17 N-First St., San Jose.
COST, $84,500

## LIENS FILED

### SANTA CLARA COUNTY.

Recorded Amount
June 12, 1920—NAGLEE PARK TCT, No.4, San Jose. A M Whiteside vs Mary R E Lee.....$1443.99
June 14, 1920—LOTS 4 AND 5 Hamilton Subd, near San Jose. Glenwood Lumber Co vs Angelo Dana and M Perino .....$634.49
June 14, 1920—LOTS 4 AND 5, Hamilton Subd near San Jose. Hubbard & Carmichael Bros vs M Perino and Angelo Dana.....$701.01

## BUILDING CONTRACTS

### SAN JOAQUIN COUNTY.

RESIDENCE AND GARAGE
W-NORTH ST., Lakeside Terrace, Stockton. Frame residence and garage.
Owner—W. S. Kelly, Stockton.
Architect—None.
Day's work. COST, $3500

ALTERATIONS
NO. 27 W-MAGNOLIA ST., Stockton. Remodel.
Owner—Mrs. Mary Meinke, Stockton.
Architect—None.
Day's work. COST, $1000

ALTERATIONS
HUNTER AND SONORA STS., Stockton. Remodel.
Owner—Narbaitz & Oyarbide, 111 N-Central St., Stockton.
Architect—None.
Day's work. COST, $2000

RESIDENCE
MT. DIABLO AVE. In City Park Terrace. Frame residence.
Owner—Helen M. McClintock, Stockton
Architect—None.
Day's work. COST, $2500

RESIDENCE
NO. 2045 E-MARKET ST., Stockton. Frame residence.

Owner—O. Baerlocker, 811 E-Main St. Stockton.
Architect—None.
Day's work. COST, $3000

RESIDENCE
NO. 320 E-WYANDOTTE ST., Stockton. Frame residence.
Owner—J. Marengo, 2312 N-California St., Stockton.
Architect—None.
Day's work. COST, $3000

ALTERATIONS
NO. 536 E-LAFAYETTE ST., Stockton. Remodel.
Owner—M. Orsi, 247 S-California St., Stockton.
Architect—None.
Day's work. COST, $4700

RESIDENCE
W NORTH ST., Lakeside Terrace, Stockton. Residence and garage.
Owner—W. S. Kelly, Stockton.
Architect—None.
Day's work. COST, $3500

ALTERATIONS
NO. 27 WEST PARK ST., Stockton. Remodel.
Owner—Mrs. Mary Meinke, Stockton.
Architect—None.
Day's work. COST, $1000

RESIDENCE
NO. 320 WEST PARK ST., Stockton. Residence.
Owner—Mr. Gooch, 22 E-Oak St., Stockton.
Architect—None.
Day's work. COST, $5000

## BUILDING CONTRACTS

### SACRAMENTO COUNTY.

ALTERATIONS
NO. 2514 L ST., Sacramento. Repair front porch and remodel private garage.
Owner—M. Dolan, 2508 L St., Sacramento, Cal.
Architect—None.
Day's work. COST, $2,500

ALTERATIONS
TRACT 4, K, L, 6th and 7th Sts., Sacramento. Alterations for Capitol Hotel Building.
Owner—J. Ben & Co., Capitol Hotel, Sacramento.
Architect—None.
Contractor—G. E. Harvie, 2212 T St., Sacramento.
COST, $5500

ALTERATIONS
NO. 519 I ST., Sacramento. Remodel and repair fire damage.
Owner—M. Guild, 519 I St. (rear), Sacramento.
Architect—None.
Contractor—P. F. Reed, 2545 28th St., Sacramento.
COST, $2400

WAREHOUSE
NO. 230 NINETEENTH ST., Sacramento Five-story warehouse.
Owner—California Almond Growers Exchange, Premises.
Architect—Geo. C. Sellon & Co., 202 Mitau Bldg., Sacramento.
Contractor—Healey Tibbetts Constr. Co., 9 Main St., San Francisco.
COST, $130,000

ALTERATIONS
NO. 624 K ST., Sacramento. Remodel front and install fixtures in store.
Owner—Ruhstaller Estate, 902 J St., Sacramento.
Architect—None.
Contractor—G. Edw. Harvie, 221 T St., Sacramento.
COST, $7000

DWELLING, ETC.
NO. 3148 D ST., Sacramento. One-story 5-room dwelling and garage.
Owner—J. H. Cummins, 3503 Stockton Blvd., Sacramento.
Architect—None.
Contractor—L. F. Gould, 600 Ventura Ave., Sacramento.
COST, $4400

FRAME DWELLING
NO. 5221 T ST., Sacramento. One-story three-room frame dwelling.
Owner—F. Lowney, Boston, Mass.
Architect—None.
Contractor—J. M. Morrill, 5217 T St., Sacramento.
COST, $2500

## COMPLETION NOTICES

### SACRAMENTO COUNTY.

Recorded Accepted
June 11, 1920—SWANSTON. Boring 10" well. S P Co to F L McGrew.. .....June 2, 1920

## LIENS FILED

### SACRAMENTO COUNTY.

Recorded Amount
June 11, 1920—LOT 4, L, M, 8th and 9th Sts., No. 830 L St., Sacramento. T J Pennish, $435; Shorrock-Smith Hardware Co. $232.10; The Palm Iron & Bridge Works, $262; E S Warner, $350 vs C E Phipps and C J Guth.....
June 11, 1920—S ¼ LOT 5, O, P, 24th and 25th Sts., Sacramento. L P Anderson & Co vs Mrs Minnie Duncan .....$450
June 10, 1920—LOT 4, L, M, 8th and 9th Sts., Sacramento. W P Fuller Co vs C J Guth and C E Jhipps.$1830

## BUILDING CONTRACTS

### FRESNO COUNTY.

MACHINE SHOP
LOTS 13 to 16, BLK. 88, Fresno. Machine shop.
Owner—Geo. C. Warner, 651 I St., Fresno.
Architect—None.
Day's work. COST, $1,100

DWELLING AND GARAGE
ALTA VISTA LOT 13, BLK. 23, Fresno. Dwelling and garage.
Owner—A. M. Volpin, 1124 M St., Fresno.
Architect—None.
Contractor—Dan Blosser, 3212 El Monte Way, Fresno.
COST, $6,000

REPAIRS
NO. 1223 B ST., Fresno. Repairs.
Owner—A. Trucchi, 1040 H St., Fresno.
Architect—None.
Day's work. COST, $2,500

DWELLING
LOTS 31 AND 32 BLK 374, Fresno. Dwelling.
Owner—Jos. Holmes, 1960 E St., Fresno
Architect—None.
Day's work. COST, $3000

STORE FIXTURES
SE J AND FRESNO STS., Fresno. All work for installing store fixtures in cigar store.
Owner—General Cigar Co., Inc., M. A. Gunst Branch, California & Front St., San Francisco.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—Mullen Mfg. Co., 60-80 Rausch St., San Francisco.
Filed June 9, '20. Dated May 25, '20.
Monthly payments of..... 75%
Usual 35 days.....Balance
TOTAL COST, $7145
Bond, $3572. Surety, Maryland Casualty Co. Limit, 50 days. Forfeit, $20 per day. Plans and specifications filed.

REPAIRS
NO. 246 EFFIE ST., Fresno. Repairs.
Owner—H. Hansen, Fresno.
Architect—None.
Contractor—F. J. Stone, Mason Bldg., Fresno.
COST, $2500

REPAIRS
N. 1042 H ST., Fresno. Repair building.
Owner—M. Suglian, 323 D St., Fresno.
Architect—None.
Contractor—F. J. Stone, Mason Bldg., Fresno.
COST, $350

ADDITION
BLK 53, Fresno. Addition.
Owner—St. Alphonsus School, Trinity St., Cor. Oleander, Fresno.
Architect—None.
Day's work. COST, $4000

FRAME DWELLING
NO. 731 DUDLEY AVE., Fresno. Frame dwelling.
Owner—C. L. Kenneson, Premises.
Architect—None.
Day's work. COST, $2500

ALTERATIONS
NO. 1035 VAN NESS AVE., Fresno. Alterations.
Lessee—Palace Market, 1912 Tulare St., Fresno.
Architect—None.
Day's work. COST, $1365

DWELLING AND GARAGE
LOTS 19, 20, 21, BLK. 52, E-Fresno, Fresno. Frame dwelling and garage.
Owner—S. Stingley, 3040 Belmont St., Fresno.
Architect—None.
Day's work. COST, $3,300

ALTERATIONS
NO. 2040 MARIPOSA ST., Fresno. Alterations.
Owner—Olcease & Garabaldi.
Architect—None.
Contractor — Trewhitt - Shields Co., Rowell Bldg., Fresno.
COST, $5,000

## COMPLETION NOTICES

### FRESNO COUNTY.

Recorded Accepted
June 16, 1920—LOTS 19, 20, 21 BLK 1, Boone Tract, Fresno. Wm Ellis to whom it may concern...June 15, 1920

Recorded Accepted
June 17, 1920—LOTS 5 AND 6 BLK 5, Recreation Park, Fresno. Truman J Miller to whom it may concern. .....June 14, 1920
June 16, 1920—NOS. 807 AND 815 Vassar St., Fresno. G W Free to whom it may concern..Mar. 21, 1920

Recorded Accepted
June 10, 1920—LOT 12 BLK 3, Woodlawn. John P Williams to whom it may concern.....June 10, 1920
June 12, 1920—E 45 FT. LOTS 1 TO 5 Blk 1, Osburn Tct, Fresno. Margaret M Frank to whom it may concern.....April 10, 1920
June 12, 1920—LOT 10 BLK 28, Alta Vista Tct., Fresno. R C Kennedy to whom it may concern..May 2, 1920

June 14, 1920—LOT 4, Maple Park, Fresno. N. L. Kemmerer to whom it may concern.....June 12, 1920
June 15, 1920—LOTS 45, 46, BLK. 2, Recreation Park, Fresno. W. P. Stoneroad to whom it may concern .....June 15, 1920

## LIENS FILED

### FRESNO COUNTY.

Recorded Amount
June 17, 1920—LOTS 15 AND 16 BLK 1 Allen-Binford Tract, Fresno. M F Sullivan vs C E Orwig.....$55

Recorded Amount
June 11, 1920—LOTS 19 AND 20, except S 8 inches of Lot 20 Blk "H," Fresno. F J Stone vs Martin and Jake Serimian.....$65§1
June 10, 1920—LOTS 15 AND 16 BLK 1, Allen & Binford Tct, Fresno. C S Pierce Lumber Co vs C E Orwig... ..... .....$1714

WANTED TO BUY
Hoisting Engines, Concrete Mixers, Cranes—Draglines Or any Construction Equipment
EQUIPMENT COR. OF AMERICA
Lumber Exchange Building,
Chicago, Illinois

SOFT WATER
Permutit
Water-Softening FILTERS
Make the Hardest Waters Absolutely Soft for the Modern Home.
A few Permutit Users in the San Francisco Bay District:
Piedmont.
Gen. Oscar F. Long, Hazel Lane.
W. M. Alexander, Union and King.
W. C. Dallas, 92 Sea View.
Berkeley.
C. A. Smith, Claremont Court.
A. Mereen, Claremont Court.
Redwood City.
E. R. Diamond, Portola Road.
Burlingame.
E. A. Christenson, Hillsborough.
Geo. A. Newhall, Hillsborough.
Mrs. C. W. Penoyer, Hillsborough.
Oakland.
Geo. C Jensen.
METAL PRODUCTS COMPANY OF CALIFORNIA
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## THREE-STORY ADDITION PLANNED FOR CROSSLEY BUILDING

**Architect Mel. I. Schwartz Completing Plans for $300,000 Improvement. Structure Leased to Associated Oil Company., Segregated Figures to be Taken.**

Architect Melvin I. Schwartz, Nevada Bank Building, is completing plans and will shortly be ready to receive segregated figures for one of the most extensive alterations and addition jobs contemplated in the down town district in some time. The building is at present known as the "Crossley Building," and is a two-story brick and steel structure located at the northeast corner of New Montgomery and Mission streets. The improvement is estimated to cost in the neighborhood of $300,000 .

When completed the new building will be known as the "Associated Oil Building," the greater portion having been leased by that company.

An addition of three stories of the Class "A" type will be erected, covering the entire area of the present structure, while a sixth story of reinforced concrete will form a superstructure on the roof. C. H. Snyder, of 251 Kearny street is in charge of the engineering feature in connection with the construction work.

The main entrance will be from New Montgomery street, one of the present stores being eliminated to make room for a spacious lobby which, will be finished in Caen Stone. Three high class elevators will be installed. The elevator fronts will be of bronze.

Provision has been made in the basement for eight fireproof vaults. Other features provided for in the plans include mahogany trim, marble wainscot and stairs, terrazzo floors, metal window sash, hollow tile partitions, and an indirect system of lighting.

The roof superstructure is to be devoted to a girls rest-room, completely equipped dining room and sunporch. The remaining floor space will be divided into offices for the telegraph and telephone operators, blue print rooms and battery department.

The exterior of both the present building and the new portion will be faced with tapestry pressed brick.

## LAND DEAL CLOSED FOR RICHMOND PLANT

RICHMOND, Cal.—An insurance policy for $50,000 guaranteeing the time on the property that the Proctor & Gamble Company is purchasing from the H. C. Cutting Company, has been turned over to H. W. Wernse by Chas. G. Bacon, manager of the Richmond Abstract and Title Company.

This is the last step in the deal which insures the coming of the big plant. Surveyors will be immediately put to wor klaying off the grounds and locating the buildings of the big factory, and as soon as that is done active construction work will start.

It is understood that during the period of construction that about one thousand men will be employed.

## Assessment for Irrigation Improvements Authorized

WILLIAMS, Cal.—Property owners in Williams Irrigation District, at a recent election, authorized an assessment of $500,000 on the district.

The assessment was voted for the purpose of paying off warrants issued for work already done in the district and which were purchased by Stephens & Company of San Francisco.

W. R. Lindersmith is Secretary of the district.

## CONTRACTS AWARDED FOR JEFFERSON SCHOOL

SAN FRANCISCO—O. Monson at son$202,740 has been awarded the contract for the general construction of Jefferson school from plans prepared by Architect J. R. Miller, Lick Bldg., San Francisco. Other contracts let by the Board of Public Works in connection with the building follow:

Heating and Ventilating to Scott Co., $11,740.

Plumbing to A. Coleman, $15,090.

Brick and terra cotta work to Mealy and Collins, $19,800.

On recommendation of City Architect John Reid, Jr., the Works Board has approved the following sub-contracts awarded by Anderson and Ringrose, contractors for the Grant School building:

Reinforcing steel to Gunn Carl & Co.

Ornamental Iron to Michel and Pfeffer.

Mill Work to National Mill and Lumber Co.

Sand and Hardwood floors to Royal Floor Co.

Sheet Metal work to Percy Sheet Metal Works.

Lathing to C. O. Munson.

Window hardware to Hauser Window Co.

Terrazzo work to P. Grassi.

Anderson & Ringrose has also awarded sub-contracts for the Excelsior School additions and alterations. These also have received the approval of the Board of Public Works as follows:

Reinforcing steel to Badt, Falk Co.

Ornamental Iron to Michel & Pfeffer.

Mill work to National Mill & Lumber Company.

Sand and hardwood floors to Royal Floor Company.

Glass to W. P. Fuller & Co.

Sheet Metal work to Percy Sheet Metal Works.

Electric work to S. M. Radelfinger.

Window Hardware to Hauser Window Company.

Terrazzo stairs to P. Grassi.

## FIFTY MILLION DOLLARS FOR CANADIAN HIGHWAYS

During the next five years Canada is committed to spend $50,000,000 on one hugh highways scheme. For this purpose the Dominion government has set aside $20,000,000 to represent forty per cent of the whole, and as all the Provinces have entered the compact, thus assuring the raising of the necessary $30,000,000 to complete the scheme, it means that this country is determined to have a main highway system equal at least to that of any other country. This hugh amount of money added to the large sums that will be spent during the same period by the 890 municipalities on their street improvements, represents in round figures an aggregate expenditure of at least $40,000,000 per annum for the next five years on highways, roads and streets in Canada. Surely an indication of the spirit of the times.

## WORK IS BEGUN ON $175,000 FRUIT DRYER

SANTA ROSA, Cal.—Work has been commenced on the construction of a $175,000 vegetable and fruit dryer, as an adjunct to the National Ice Company plant here. The building, which is being constructed of concrete and tiling, is 200x160 feet.

A. M. Hildebrandt of Santa Rosa has the contract.

In the event of a heavy rain during the harvest season thousands of tons of fruit can be rushed to this dryer and saved.

## FEDERAL RAILWAY LABOR BOARD WILL ANNOUNCE WAGE DECISION SHORTLY

CHICAGO, Ill.—The federal railroad labor board announces that its wage decision, when made, will be effective as of May 1, 1920. It will apply, according to the time served, to all employees who were in the service May 1, and who remained therein or who have come into the service board and remained therein.

The board added that the decision will cover only the employees of the roads represented by the executive committee and of such other roads as properly are before the board. "The decision however, will cover approximately 93 per cent of the railroad employees of the United States," said the statement, "and the board will, as soon as practicable, give a hearing to the representatives of the short line and other carriers not represented at the recent hearings, and as soon afterward as possible a decision for the employees of these carriers will also be made."

The announcement reiterates previous word from the board that it will make a decision at the earliest possible date.

## RENO JUDGE RULES IN PAVING CONTROVERSY

RENO, Nevada—Judge E. L. Lunsford has sustained the demurrer entered by the City of Reno against the complaint of W. F. Edwards to prevent the city from carrying out its paving projects The decision of Judge Lunsford is believed to mark the end of the controversy.

The paving contracts were awarded to the Clark & Henery Company of Sacramento, but legality of the contracts were attacked by Edwards, who charged that the material specified in the original plans had not been enforced when contracts were awarded.

## SACRAMENTO CARPENTERS GET PAY RAISE

SACRAMENTO, Cal. — Agreements giving carpenters a wage scale of $9 a day were finally signed at a meeting of the Builders' Exchange and the carpenters' union last week.

Contractors are to be reimbursed for their losses on work already contracted for under the old scale.

### SEEK ROAD CONSTRUCTION.

HOLLISTER, San Benito Co., Cal.—Residents of the Fairview section have petitionsd the Supervisors to build a permanent road into the district similar to the one leading to the Tres Pinos section.

The delegation asked that the road be paved to the Cottage Corners and then East for four miles. No action was taken.

### SEWER CONTRACT AWARDED.

STOCKTON, San Joaquin Co., Cal.—Tumulty & Hall of Stockton at $770.35 have been awarded a contract by the City Council, A. L. Banks, City Clerk, for the construction of a sanitary sewer extension from California street to the building housing the showers, etc., in Oak Park. Other bidders were:

| | |
|---|---|
| W. J. Tobin | $ 878.15 |
| T. E. Clinch | 1,004.77 |
| E. A. Burns | 633.20 |

The bid of Burns was not considered owing to its failure to include construction of a manhole. W. B. Hogan is City Engineer.

## VALIDITY OF TAX TITLES SUSTAINED

SALINAS, Cal.—Judge J. A. Bardin of the Monterey County Superior Court has rendered a decision in the suit of Russel Scott against John Q. Wrenn in which validity of tax titles is sustained.

The decision is of interest to thousands of persons owning land purchased at state sales.

Wrenn is a Placerville physician. He formerly owned two lots in Carmel-by-the-Sea. Neglecting to pay taxes, which became delinquent, the lots were sold to the state in 1913. Five years later, at the expiration of the period allowed by law for redemption, the lots were purchased from the state by Scott, who is an attorney for a local abstract company. Later Wrenn appeared and filed a claim for the lots. Scott started suit to quiet title.

Judge Bardin's decision declares Scott is entitled to legal ownership and has a clear title. This is said to be the first suit of its kind ever decided by a state court, but, as several points not yet passed upon by the supreme court are involved, it is probable an appeal will be taken.

## A SECOND IMPERIAL VALLEY

SAN FRANCISCO.—The Gila Bend country of Arizona, long the undisputed domain of the jack rabbit and the horned toad, is the latest section of the arid southwest to make a bid for agricultural honors. Charles S. Fee, passenger traffic manager of the Southern Pacific, is advising the railroad's local and eastern representatives of new irrigation projects involving the reclamation of thousands of acres lying along the Sunset route in a territory where farming was undreamed of a few years ago. One project on the Gila river, 12 miles due north of Gila station, will bring productive by irrigation a tract of 85,000 acres of land 22 miles north and east of Gila, Ariz. F. A. Gillespie of Tulsa, Okla., is the moving spirit in the enterprise. Water for the project will be stored in the Gila mountain, where a dam, the foundation of which is laid in solid rock, will be ready by January of next year. A canal 40 miles long has already been completed. Another project on the Gila river, 12 miles due north of Gila station, will bring 4500 acres under irrigation, and the land will be put out in cotton. Six hundred acres are already producing.

## CONTRA COSTA ROAD PROJECT ENDORSED

ANTIOCH, Cal.—The Camber of Commerce has passed a resolution endorsing the petition of Delta farmers for road and ferry facilities through the Bethel, Webb and Frank tracts, which will open up communication between the Delta section and the cities of Eastern Contra Costa county.

## STATE IS PREPARING FOR BIG LAND SALE

The State of California will give citizens an opportunity to purchase land scrip at the lowest possible cost on July 6. The sale will take place in the Senate Chamber at Sacramento. The purchase of scrip will be limited to 640 acres a person, and is to be sold in 40-acre lots for cash. Surveyor General W. S. Kingsbury will act as auctioneer.

## ARGENTINE TRADE NOTES

[Trade Commissioner George S. Brady, Buenos Aires.]

**Hospital to be Erected in City of Parana.**

Plans are being formed to erect a regional hospital in the city of Parana, for which the sum of 300,000 pesos ($129,000) is being asked. The work will come under the Director General of Engineers of the National Army.

**Proposed Construction of Aqueduct System in Mendoza, Argentina.**

The city of Mendoza, Argentina, has requested an increase in the municipal water supply. A plan to use the waters of the Rio Blanco, and at the same time to construct an electric power station at the falls of this river has been approved by the governor of the Province and is now before the Minister of Public Works of the Nation. The project will mean the construction of an extensive tunnel and aqueduct system, estimated to cost 13,000,000 pesos ($5,590,000).

**Old Trolley Cars of American Make Create Unfavorable Impression.**

An unfortunate condition in respect to American trade propaganda exists on the street car lines of Buenos Aires. It happens that the oldest and most dilapidated trolley cars are of American make of a type 20 years old. By comparison with the later models of British-built cars thousands of the daily users of these cars who have not seen more recent American designs are led to believe that European mechanical equipment is superior to the North American. The two street railway companies operating in Buenos Aires are the Compania de Tranvias Anglo-Argentino (Ltd.) and the Compania La Croze.

## HOOVER JOINS AMERICAN ASSOCIATION OF ENGINEERS

Herbert Hoover has affiliated with the American Association of Engineers. He is member No. 2000 and has received the certified grade.

The San Francisco Chapter will welcome Hoover on his first visit home when his duties on the Industrial Board permits. It will be recalled that General Wood is member No. 10000 of the American Association of Engineers, having joined a few months ago.

This new engineering body is composed of technical engineers formed to look after the non-technical interests affected the welfare of engineers and to offer to the public advice on civic matters involving engineering judgment.

## LOS MOLINOS BRIDGE WORK COMMENCED

LOS MOLINOS, Cal.—Work was started on the new concrete bridge across the Los Molinos River, which is on the proposed State Highway, connecting Los Molinos and Red Bluff.

Zimmerman & Bordwell of Calistoga, are the contractors. Their bid was $31,500.

## TOWNSITE TO BE FOUNDED IN SHASTA COUNTY

REDDING, Cal.—The Supervisors have granted F. M. Archer of San Francisco a petition for a new townsite, called Soldier Mountain, near Fall River Mills.

According to the petition, the townsite will take in several acres of land and is said to be backed by the Pacific Gas and Electric Company.

The company is planning to build one of their large power plants at the point.

## INDEPENDENCE DAY TO BE FITTINGLY OBSERVED

The Citizens Independence Day Committee, appointed by Mayor James Rolph, Jr., have decided to hold the literary exercises for this year's celebration in Golden Gate Park, on Monday, July 5th, 1920.

The Literary Committee, consisting of Judge Henry Owens, Chairman, Col. T. P. Robinson, Secretary, Col. Henry G. Mathewson, Ralph Pincus, Miss Estelle Carpenter, Edmond Godchaux, Rev. Joseph P. McQuaid, Mrs. S. J. Hayes, Rev. F. W. Clampett, Mrs. C. H. Godfrey, Richard H. Hunt, Rev. Geo. L. Le Comb, Rev. Dr. Jacob Nieto, and Sidney P. Rohertson, are arranging a most elaborate program for the occasion.

As this is the first time that the Fourth of July exercises have ever been held in Golden Gate Park, many new features will be introduced.

All newly made American citizens will join with the American Legion in the affirmation of the American creed under the leadership of Col. Henry G. Mathewson.

Fifty members of the New Bostonian Opera Company, will participate under the direction of Mr. Ralph Pincus of the Columbia Theatre.

A request has been wired to Senator Hiram Johnson to act as orator of the day.

Aquatic sports, including children's swimming races, will he held at the site of the city's new Aquatic Park, at the northern end of Van Ness Ave. Chairman J. E. Scully and Vice-chairman Judge Thos. F. Graham have divided their committee so as to arrange the many features to take place at this location on Monday, July 5th, 1920, which are to last all day. The Municipal Band, as well as the various U. S. Navy bands will be in attendance. The U. S. Navy officials are assisting the committee to make this the most complete, as well as the largest celebration of this kind ever held in San Francisco on the Fourth of July. The program will commence at 10:30 o'clock A. M.

The usual fireworks display will be held in the Civic Center at 8 o'clock, P. M., under the direction of the veteran, Daniel D. Lowney and his committee.

The chairman of the general committee, Hon. Charles A. Nelson, will act as chairman of the ball which will be held in the Civic Auditorium in the evening, commencing at 9 o'clock P. M. Supervisor Nelson has been assured that the elaborate decorations of the Democratic Convention will remain in the Auditorium for the ball.

## HAWAII ENGINEERS ORGANIZE

The two highest ranking officials in the Territory of Hawaii, except the Governor, are officers of the newly organized Honolulu Chapter of the American Association of Engineers.

The President of the Chapter is John H. Wilson, Mayor of Honolulu, a civil engineer from Stanford University. The Vice President is Lyman H. Bigelow, Superintendent of Public Works and Chairman of the Board of Harbor Commissioner of the Territory of Hawaii, a civil engineer from Cornell University. The Chapter has Forty-four members and is the second American Association of Engineers Chapter outside of the States; the first being located at Anchorage, Alaska.

Seattle, Wash., was the only coast city showing a decrease in building permits for April, 1920, as compared with the same month last year.

## MERCED IRRIGATION WORK IS PROGRESSING

MERCED, Cal.—The progress being made in gathering the engineering data for the Merced Irrigation District is proceeding in a thoroughly efficient manner under the direction of Chief Engineer J. D. Galloway. Twenty engineers and surveyors are in the field, and it is expected that the report will be filed some time in August.

Professor Lawson, geologist at the University of California, has made a study of the reservoir sites. He has given a favorable report on both the Burns creek and Dry creek sites.

Engineer Galloway is making a study of the present Crocker-Huffman system during the irrigating season for the purpose of determining the deficiencies of the system by measuring the canals and ascertaining the amount of water they will carry.

Surveys have been completed for the Dry creek reservoir and dam. The survey has also been finished for a high line canal into the Le Grand district.

A complete investigation is going forward as to the possibilities of the development of hydro-electric power both as to the power that would be needed by the district and as to additional power that might be developed for sale.

Storage reservoirs on the river itself are being prospected, and a complete study from every angle is being made to determine to the fullest extent the possibilities of the district.

## VANCOUVER VOTES BONDS FOR IMPROVEMENTS

VANCOUVER, Wash., June 17.—By the overwhelming vote of 2303 to 110, Vancouver, in a special election approved $130,000 bond issue for the purpose of building a dock and public levee.

There has been expended already on this dock work by the G. M. Standiffer corporation $300,000 which with the amount voted will mean an improvement expenditure for the benefit of Vancouver of approximately $330,000.

### TO REVISE BUTTE COUNTY ROAD PROGRAM—REJECT BIDS

OROVILLE, Butte Co., Cal.—Part of the road construction program in Butte County under the $1,800,000 bond issue will be discontinued indefinitely owing to high prices, according to a decision reached at the last meeting of the County Supervisors.

According to the decision, bids will not be asked on any road that under the budget was estimated to cost more than $8,000 a mile. The motion of the board calls for the indefinite postponement of construction upon roads of a better type than asphalt macadam.

The roads which may be constructed under present conditions under the vote of the board comprise seventeen out of the twenty-eight roads designated for improvement under the bond act. These are:

The Lurkin Road, Dayton-Durham Road, Nord State Highway, Cohasset-Richardson Road, Gridley Colony, East Biggs, Sacramento Avenue, Cana-State Highway, Neal Road, Humboldt Road, Paradise-Stirling City, Oroville-Chico Road, Oroville-Pentz Road, Oroville-Quincy Road, Orovolle-Bangor Road, Palermo Honcut Road, Centerville Road.

Bids for the Grant Avenue Road in Thermalito and for the Gridley-Colusa Roads, submitted to the board a few days ago by the Chico Construction Company of Chico and the Clark & Henery Company of Gridley were rejected.

## TO FILE SUIT TO FORCE ROAD BUILDING

SACRAMENTO, Cal.—Property owners in the vicinity of Hood, on the Sacramento River south of Sacramento, are planning to bring suit against the County Highway Commission to compel the building of a highway under the bond issue. The suit, which is being prepared by Attorneys Downey and Downey, will be mandamus proceedings, and will involve the question of whether the property owners or the Highway Commission should raise the Hood levee to the height of the other levees along which the river highay runs.

The suit will bring to a head a long controversy between the Highway Commission and the property owners. The Highway Commission has left the portion of the highway near Hood uncompleted, taking the stand that the property owners should raise the levee to the standard of the Reclamation District before the highway is put down. The commission holds that the bonds were voted for road construction only and not for levee building, and hence no money can be spent to raise the levee.

The property owners contend the Highway Commission has not carried out the purpose for which the bonds were voted, in not completing the highway near Hood. They contend the law of 1850 declared a public highway along the river, that this law is not superceded by the Reclamation Act, and that it is the duty of the Highway Commission to build the road regardless of the height of the levee. If the levee must be raised, the property owners hold, it is for the Highway Commission and not for them to do.

## CORPORATION TAXES

SACRAMENTO, Cal.—The state board of equalization announced the completion of its record of state assessments for 1920, and stated that as the sum to be collected will exceed the amount directed by the legislature to be raised for the seventy-second fiscal year, no ad valorem tax for state purposes will be necessary. The treasury will receive through corporation taxes, $2,858,466.82 in excess of like receipts for any preceding year, it was announced. The grand total of corporation taxes to be collected for the next fiscal year is $22,342,961.66.

## BUENOS AIRES ADOPTS STREET PAVING PROGRAM

The foreign trade department of the San Francisco Chamber of Commerce is advised that the city of Buenos Aires has adopted a street construction program for the city and environs contemplating expenditures of 3,306,604 pesos.

Attention is called to the fact that this street construction will require considerable quantities of asphaltum and cement, and that an opportunity is open to dealers in these commodities in San Francisco.

From the same source is also learned that there is also a demand in Rio do Sul Brazil, for plain and barbed wire, weight machines for cattle, galvanized iron, cement, pumps, refrigerators, separators, medicine chests, dips, small dynamos, oil engines, house materials and furniture, salt, oburns buckets cans, branding implements, paints and varnishes.

Old High Cost will get sore hands some one of these days, rubbing it into the public so.

## TIMBER RESOURCES OF BRITISH EAST AFRICA

(Weekly Bulletin, Canadian Department of Trade and Commerce, May 17, 1920.)

Of British East Africa's total area of 157,000,000 acres, 2,000,000 acres are forest reserve; but this does not constitute the whole of the forestry area, as 5,000,000 acres of land have already been alienated, and of this total several hundred thousand acres must be considered as forest areas.

The greater part of the timber of the country is to be found in the highlands, and certain companies possess very large tracts. A number of narrow guage railway lines have already been laid from the main line to those sections where operations are being carried out. The industry will probably develop into a very important one in the near future.

Many sawmills are now operating in various parts of the country; and, although nothing has yet been accomplished on a large scale in turning out timber for export, the material is at hand, and the Government already has the question of improving the harbor facilities under consideration, with a view to coping with the export of timber.

**Chief Varieties.**

There are large quantities of timber available, suitable for railway construction work, sleepers, wagon making, furniture, and mine props. The variety include:

Ironwood.-Botanically known as Olea Hochsetterii, the vernacular name being "Nu Sharge." It is almost identical with the ironwood growing in South Africa, and known there as Olea laurifolia. This wood has been used for a very long time by wheel makers and wagon builders for heavy transport wagons, as it is noted for its great strength and durability. It is also suited for railway coach building, especially for the underframing; wood block paving, railway sleepers, bridges, ox yokes, ax, pick, and tool handles, furniture, joinery, and interior decorative purposes such as paneling. For the last-named purpose it is said that the beauty of the grain is unsurpassed, its peculiar lights and shades giving it the appearance of marble.

It is estimated that there are approximately 500 cubic feet of this timber to the acre. Its weight seasoned is 59 pounds per cubic foot. It is not possible to get a standard price, but the price at present would be 5 ruples ($1.62 at normal exchange) per cubic foot f. o. b. Kilindini.

Red Stinkwood.—Botanically known as Pygeum Africanum, the vernacular name being "M'Weri," or "Moeri." It is principally known as a very good wagon wood, being mainly used by wheel makers for the felloes and hubs of heavy transport wagons and for yokes. It would also make good furniture but because of its scarcity is not utilized for this purpose. The trees, some of which are verry large, are found scattered in the highlands of British East Africa. Its seasoned weight is 48 pounds per cubic foot, and the price at present would work out at 5 rupees per cubic foot f. o. b. Kilindini. There is only a very limited quantity of this timber available.

## BIG MARKET FOR CONTAINERS IN GREECE

In Greece, as in this country, the farmers are up against it for containers. Lumber shortage, continuous ever since the war, have made crates for the export trade in fruits, especially currants, so scarce and high priced that prices all along the line have materially advanced.

Notwithstanding this handicap, however, the farmers of Greece have never enjoyed such prosperity as now. High prices have been paid for every variety of farm produce, owing to the universal food shortage. This the American Red Cross has materially helped to relieve, through its canteens and relief missions established in Salonica and other ports of the Near East.

## OAKLAND ALLOWS REPAIR TO FRAME BUILDINGS IN FIRE LIMITS

OAKLAND, Cal.—An ordinance allowing the reconstruction of frame buildings above the first story, introduced last week by Commissioner Morse as an amendment to the present building ordinance has been given final passage by the City Council.

Under the old law no improvements could be made on frame buildings in the fire limits excepting on the ground floor. The new law allows the removal of bay windows and other remodeling on frame buildings in the fire limits.

## ENGINEERS URGE EMBARGO ON OIL AND TIMBER

The National Convention of the American Association of Engineers passed Resolutions urging Congress to put an immediate restriction on the exportation of such natural products as Petroleum and its products, wood and its products, as a means of conserving the natural resources of the country.

**STREET WORK PLANNED.**

SEBASTOPOL, Sonoma Co., Cal.—The Trustees have overruled protests against the improvement of Petaluma avenue and Main street and a call for bids will be issued shortly.

J. S. Saunders is City Clerk.

## ANTOICH TO SUE FOR RIGHT TO USE RIVER WATER

MARTINEZ, Cal.—A three-cornered fight for the right to use the Sacramento river water for irrigation and domestic purposes is threatened between the City of Antioch, rice interests and irrigationists on the upper and lower Sacramenao river and owners of half a million acres of non-cultivated delta lands. This was indicated when the Antioch trustees decided to apply for an injunction against all ranchers using the river waters for irrigation purposes. Reductions of the supply for Antioch's domestic purposes will form the basis of the suit. Rice farmers in the vicinity of Chico, who irrigate their rice fields, it is claimed, have reduced the river level. The farmers claim that their holdings would be worthless if their water rights are withdrawn. This has been the center of dispute for several months, during which the river farmers threathened to bring suits for damages against each member of the Board of Trustees. They claim the Antoch action was fostered by owners of half a million acres of undeveloped land in the delta region. This latter region has been subject to floods from the bay water which has made the ground salty and untillable. Full flood on the Sacramento would prevent the bay water from backing up, it is contended.

## STATE HIGHWAY ENGINEER ON ADVISORY BOARD

A. B. Fletcher, highway engineer of California, has been designated by E. T. Meredith, secretary of agriculture, to be a member of the advisory board to the Secretary of Agriculture in matters relating to the administration of the federal aid road act and on questions which may arise in the development of the highway improvement program of the United States. The advisory Board is composed of a number of highway officials of different states who will give the time necessary to its activities in addition to their regular state duties.

**BRIDGE AND CULVERT CONTRACT AWARDED.**

GLOBE, Ariz.—A. W. Daniels of Globe, submitted the lowest bid at $17.-441 for constructing concrete bridges and culverts on Sections A and B, Globe-Geronimo highway, involving 3360 cu. yds. excavation, 986 cu. yds. concrete and 28.000 lbs. reinforcing steel. Other bids received were: Midland Bridge Co., Kansas City, $17.690; John Hoopes, Miami, $24.669; de Ward Bros. & Cobham, $25.015; Cotey & Black, Clifton, $31,348; R. R. Boyd, $32.-951. The bids were forwarded to State Engineer Thomas Maddock.

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### REBUILDING MESSINA EARTHQUAKE-PROOF.

Reconstruction officials in Italy believe they have solved the problem of rebuilding Messina in such a way that the terror of the earthquake will be removed. So after being delayed six years by the war, the rebuilding of Messina, with a new type of construction, has commenced this spring.

The first of the new public buildings is now well under way. The foundations of this building rest upon almost solid rock. In only a few places was the bed rock broken during the upheaval of 1908. An interior shell of reinforced concrete has been first set up, then faced with cut stone to give it an artistic appearance. This new structure is the municipal building in which the headquarters of the local and provincial officials will be located. Although it is four stories in height, the builders have little fear that it will again be ruined by an earthquake, so solidly is it constructed.

Messina is to be rebuilt on a grand scale which will be in keeping with its growing importance as a port in the Mediterranean. The plans include a number of the most modern ideas in city planning. The center of the city has been established in a new section, one which has been completely leveled. Instead of the old, cramped streets, there will be a large plaza, around which will be grouped the municipal buildings, while nearby is the municipal theater, one of the few structures which was not entirely destroyed by the earthquake. Branching out from this square are lines of new curbs, sewers and graded streets, marking wider thoroughfares.

Measures have been taken to enforce strictly the specifications regarding the construction of new buildings of considerable size. These specifications have been drawn by eminent Italian engineers and architects, and structures built according to them are expected to withstand any future shock equal to the one which almost annihilated the city in 1908.

Little has been done, as yet, toward the reconstruction of the residence districts. A large part of the population is housed in the barracks which were erected by the American Red Cross immediately after the earthquake. These barracks have been practically the only substantial shelter in Messina since the disaster.

Those who reside there, hampered by the war, are just now beginning to get upon their feet again, after working with renewed energy all spring. Few of the Messina people to-day, however, were residents before the quake. The loss of life in the earthquake amounted to 70,000 within the space of two minutes, while hundreds of the remaining population fled from this island of misfortune. Other people, many of them adventurers, hoping for profits that would come with reconstruction, flocked in a few years later.

Then came the war and all plans for remaking a city were laid aside until last winter, when the project was taken up again. Work was actually started a short time ago and the new Messina bids fair to become a model city from an engineering and architectural standpoint.

### CANADIAN INSURANCE AMENDMENT.

[Consul Felix S. S. Johnson, Kingston, Ontario, Apr. 23, 1920.]

The proposed amendment of Canada's insurance act, providing for the licensing of agents, will be of interest to American companies having representatives in the Dominion. The amendment relating to life-insurance companies—and that with regard to fire-insurance agents is much the same—reads:

78A. It shall be a condition of the license issued to any company under this act, whether such condition be expressed in the license or not, and for the breach of which the said license may be canceled, that no compensation or remuneration by way of commission shall be paid to any person, partnership, association, or corporation for soliciting for, or obtaining applications or proposals for insurance, or for collecting premiums from policyholders, unless such persons, partnership, association, or corporation shall have obtained from the superintendent a license to act as an agent of the company or as a broker.

(2) Before any such license is issued the applicant therefor shall file an application on a form to be supplied by the superintendent, and shall furnish such information as the superintendent deems necessary to satisfy him that the applicant is competent to discharge the duties of an agent of the company or of a broker, as the case may be.

(3) Every agent or broker to whom a license is issued under this section shall keep a record of the insurance business transacted by him under such license, in such form and with such detail as the superintendent may require, and such record shall be open to the inspection of the superintendent.

(4) Every such agent or broker shall, when requested by the superintendent, file with the superintendent a statement in such form and with such detail as the superintendent may require.

(5) The license of every such agent or broker shall expire on the 31st day of March in each year and shall, subject to the provisions of this section, be renewable from year to year.

(6) The superintendent may cancel the license of any agent or broker licensed under this section for violation of any provision of this act or, if it is established to the satisfaction of the superintendent that he has been guilty of misrepresentation or of fraudulent practices, or if, in the opinion of the superintendent, he has become incompetent or incapable of acting as agent or broker; but no such cancellation shall become effective until a hearing has been given to the agent or broker whose license is proposed to be canceled.

(7) Any agent or broker whose license has been canceled by the superintendent shall have the right of appeal to the Treasury Board by giving notice of his intention to so appeal within 10 days of his receiving notice of the cancellation of his license, and, pending the decision of the Treasury Board, the cancellation of the license shall have no effect.

## CLEARING HOUSE REPORTS FROM CALIFORNIA CITIES

Bank clearings as reported to California Development Board by the several clearing house cities for the week ending June 5th showing the amount of increase on corresponding date last year:

| | | Increase |
|---|---|---|
| San Francisco.. | $139,900,000 | $27,000,000 |
| Los Angeles.... | 62,577,000 | 25,699,000 |
| Oakland ..... | 8,967,712 | 1,032,776 |
| Sacramento .... | 5,722,201 | 2,065,164 |
| San Diego..... | 2,302,457 | 79,956 |
| Fresno (a)..... | 10,292,222 | ..... |
| Stockton (a).... | 4,978,300 | ..... |
| San Jose..... | 1,640,915 | 265,087 |
| Bakersfield .... | 1,474,326 | 625,330 |
| Pasadena ..... | 1,783,029 | 616,401 |
| Santa Rosa..... | 375,571 | ..... |
| Long Beach..... | 2,687,177 | 1,308,141 |
| Berkeley (a).... | 3,150,515 | ..... |

(a) Bank debits.

## TO DEMONSTRATE ELECTRICAL HOME

Electricity, and its application to the modern home in the operation of every concelvable type of household appliance, will be demonstrated tomorrow by the San Francisco Electrical Development League in the Electrical Home, 25 Junipero Serra Blvd., St. Francis Wood.

The home, designed and built with a view to the fullest possible utilization of electricity, will be opened Friday afternoon at 2 o'colck at an invitational ceremony to be participated in by city officails, the California Electrical Co-Operative Campaign Committee, San Francisco Electrical Development League and Mason-McDuffie Company, agents for St. Francis Wood.

John A. Britton, Vice-president and general manager of the Pacific Gas and Electric Company, will preside, and Acting Mayor Ralph McLaren will be the principal speaker.

Following the brief ceremony, visitors will be given a demonstration of electricity in the home, such as has never before been witnessed in San Francisco.

Friday night the St. Francis Wood Homes Association has arranged a house-warming for its members.

Mrs. George Kennedy, chairman of the reception committee, will be assisted by Mesdames Colbert Coldwell, P. A. DuPont, August Fritze, L. P. Stellar and Miss Jane Peake.

A buffet luncheon, prepared in the electrical kitchen, will be served.

## DISCOURAGES PLAN TO BUILD SUPPLEMENTARY RESERVOIR TO LAKE

SACRAMENTO, Cal.—E. C. La Rue, hydraulic engineer of the United States Geological Survey, in a report to the Sacramento Valley River Development association, discouraging the plan of a reservoir connecting with Klamath Lake, to supplement the Sacramento river supply.

In pointing out defects he said it would be physically impossible to divert the Klamath river over Black Butte Pass. The canal would be between 125 and 150 miles in length. He also said a tunnel at Black Butte would permit the lowering of the grade 200 feet and would shorten the canal only six miles.

It would also destroy a big power plant at Copoc and take water away from the Shasta basin.

## ENGINEERS PLEDGE CANDIDATES

The American Association of Engineers has asked all Presidential Candidates to declare themselves for or against:

1. The proposed National Department of Public Works.
2. The National Budget.
3. Constructive conservation of National Resources.
4. Reclamation of Waste Lands.

### LONE BID REJECTED FOR FOWLER PAVING.

FOWLER, Fresno Co., Cal.—Hugh Crummey submitted the only bid to Jensen & Ross, Engineers, Patterson Block, Fresno, for paving the county highway link connecting Adams Ave. and Wildflower Road.

Specifications provide a 3½-inch asphalt concrete base with a 1½ inch Bitulithic wearing surface, 16 and 20 feet wide, involving 122,800 sq. ft paving, 102,750 sq. ft. earth shoulders, 225,550 sq. ft. of grading, 40 lin ft. 10" full circule No. 12 gage corrugated iron culvert, 104 lin. ft. 18" part circle No. 12 gage corrugated iron culvert, 60 lin. ft. 24" concrete pipe, 2 manhole frames and covers for 18" culverts.

The bid was rejected.

Crummey's bid for pavement was $2.95 per sq. ft.; grading $1.55 on large cuts and fills and $1.70 cu. yd. on small cuts and fills.

## SILICA COMPANY PERMITTED TO ISSUE STOCK

SACRAMENTO, Cal., June 16.—Hemet Silica Company of Hemet, this State, has been given authority by Commissioner of Corporations E. C. Bellows to issue 2000 shares of its capital stock, par value $50.00 per share, in exchange for a certain contract; and 10 shares in consideration of services rendered; to sell 250 shares at $25.00 per share and 1740 shares at $50.00 per share.

An unusual feature in this permit is that it is drawn offering shares for sale at two prices. Very little of the stock, if any, will be sold to the general public. It will be purchased by certain persons who are members of the syndicate and who have taken over the lease in which the company is interested. The company proposes to mine silica which is in demand by glass manufacturers.

The Sonora Granite Company, principal place of business of which is Los Angeles, has permission to issue 3000 shares in exchange for a certain agreement of sale, and to sell 15,000 shares at par for cash. The company is engaged in the business of quarrying and marketing granite from a deposit in Tuolumne County.

## GAMBLING DEN TO BE HOSPITAL

SHANGHAI.—The great gambling establishment in this city notorious for years under the name of "The Wheel," which originally cost more than $500,000 is to be converted into a charity hospital. The Chinese authorities have announced that they intend to confiscate the huge building which now stands dark and empty. Its owners, however, threaten to fight this program.

Up to about three years ago when the place was closed by Chinese authorities "The Wheel" in Shanghai was one of the biggest gambling establishments in the Far East. It was located in Chinese territory on North Honan road, a 15 minute automobile ride from the heart of the city. In the days when the establishment flourished three roulette wheels with six layouts, beside faro and other games were operated.

After this establishment was closed as the result of the efforts of missionary interests no open gambling on any large scale was permitted in Shanghai until last fall when the interests that formerly operated "The Wheel" opened near it a smaller roulette establishment which in turn was closed after a few weeks.

## STANDFORD ENGINEER DIES IN PORTLAND

PALO ALTO, Cal.—Arnold Keller, Jr., passed away June 6th, at his home in Portland, Ore., according to a telegram received by Prof. Harris J. Ryan from Arnold Keller, Sr.

Keller, who was an instructor in electrical engineering at Stanford, had been ill from time to time during the last three years. In April of this year he was obliged to give up his work in the university and return to his father's home in Portland. In recent letters to members of his department he expressed satisfaction in the progress that he was making toward recovery. His death came unexpectedly.

Graduated from the Stanford electrical engineering department in January, 1915, Keller engaged in power plant operation for three years. He returned to Stanford in September, 1918, to serve as instructor in electrical engineering for the years 1918-20, during the absences of two men of the department on sabbatical year leave.

## ARCHITECTURAL BEAUTY FOR OAKLAND SCHOOLS

OAKLAND, Cal.—An architectural idea that is new in this vicinity will be embodied in the construction of the new school buildings erected under the $5,000,000 bond issue, according to plans of Marston Campbell, chief of construction, and Charles W. Dickey, supervising architect of the building organization.

Instead of the usual plaster finish, hammer-dressed concrete will be used on all of the new buildings, the concrete surfaces being bruised with an air-driven pneumatic hammer. Both Campbell, and Dickey were familiar with that type in the Hawaiian Islands and declare that it gives a much more durable and handsome finish. In addition the buildings will have red tile roofs and terra cotta trimmings.

In an architectural report prepared for the Board of Education, Dickey recommends the stucco styles of the Mediterranean, Italian Renaissance, and Spanish Colonial as the styles considered best suited to this environment.

"It is the wish of the construction department," states Dickey in his report, "that the new school buildings be picturesque, sincere and inviting, and express in their design the spirit of California well suited to our climate and environment. We realize the responsibility placed in our hands to build economically and efficiently, not forgetting the importance of beauty in its influence on the child.

"Unfortunately, we are living in an age of inflated prices, when a dollar is worth about 44 cents, so we cannot indulge in any frills, but nevertheless will try to make our architecture genuine and honest. In this we are helped by the fact that concrete and tile have not advanced in price as much as lumber, so we can well afford to use concrete walls and red tile roofs, and hope to produce real California architecture.

## SACRAMENTO LUMBER CONCERN SUED FOR $10,000

SACRAMENTO, Cal.—Peter Lopez has started suit against the Pollock Lumber Company of this city alleging breach of contract. Lopez charges that a contract was entered into on April 5, 1920, whereby the defendant company was to put into working condition within two weeks a mill which it owns eighteen miles northeast of Placerville, and that plaintiff was to operate it at a salary and additional money based on the amount of work turned out.

### OAKLAND AWARDS STREET AND SEWER CONTRACT.

OAKLAND, Cal.—The City Council, L. W. Cummings, Clerk, has awarded a contract to Bates and Borland for the improvement of Fleming avenue, between Madera and Birdsall streets, by and gutters, cement sidewalks and paving with oil macadam, storm water drain, vitrified pipe conduit, etc., on the following unit prices: excavation, $1.54 cu. yd.; curb, $.80 lin. ft.; gutter, $.25 sq. ft.; macadam pave, $.14 sq. ft.; sidewalk, $.07 sq. ft.; concrete inlet with C. I. grating, $75.00; 10-inch pipe conduit with con. protection, $4.00 lin. ft.; reinforced con. culvert $5.00 lin. ft.; concrete handhole, $35.00 each.

The Pacific coast production of railroad ties during 1919 ran to 15,612,700 pieces, of which 12,412,700 were fir and 2,775,000 redwood; 8,710,000 were distributed to Pacific Coast railroads; 5,075,000 for inland use and 1,827,000 were exported largely to Great Britain.

## COLLEGE PACIFIC TRUSTEES PICK STOCKTON

STOCKTON, Cal.—At a meeting of the Board of Trustees of the College of the Pacific held at San Jose, Stockton was favored as the new location for the school. The report made at the session stated that the Stockton site is suitable and the local bid for the school is considered the best received. The directors of the college will meet at the call of the president, when definite action will be taken. The Stockton bid is open until July 1, so action must be taken soon.

The re-location committee has also inspected sites at Santa Cruz, Modesto and Sacramento, and the Stockton site is first in favor with the committee. The committee consists of Bishop Leonard, Rolla V. Watt, Dr. G. W. Waite, Dr. Milnes, Dr. Bachelor, Dr. Bicham, George Gilman and Dr. Tully Knowles, president of the college. All these committeemen have inspected the Stockton site offered by J. C. Smith on the Lincoln highway near the diverting canal and consisting of 30 acres.

## APPROPRIATION AUTHORIZED FOR CALIF. IMPROVEMENTS

Appropriations passed by Congress on the final day before adjourning and signed by President Wilson include among other items $200,000 for dredging the Oakland harbor and $100,000 for work in the Sacramento river. Besides these two there is an appropriation of $100,000 for maintenance and patrol work in the San Francisco bay by inspection steamer Suisun; $6500 for a cut-off and turning basin in Petaluma creek. Word of the passage of the bill was received by Colonel E. E. Winslow, army engineer in charge of government work in the California district.

### Keep The Cement Sacks at Work

One empty sack at the cement mill is worth any number of them lying idle in users' hands all over the country so far as shipment of cement is concerned. Like many other kinds of cotton goods cement sacks are scarce. If every idle cement sack in the country were returned to the plant from which it came, there would be considerable relief of the present difficulty of obtaining cement.

Cement sacks represent an outlay of money by you until you have returned them for credit. If they are not returned promptly, the cement manufacturer must provide new containers to take care of his business with you. This will add to the cost of cement, and will subject your shipments to uncertain delays.

Take care of the cement sacks.

Keep them at work.

Return them promptly so the cement manufacturer can ship the cement you want when you want it.

## SHELL OIL IMPROVEMENTS TO CONTINUE

MARTINEZ, Cal.—A large crew of men is to be added to the construction crew at the Shell plant and the contemplated enlargements of the refinery here will progress more rapidly from now on.

A contract has been signed by the Shell Oil Company with the Desmond Supply Company for the furnishing of a large number of men to the company for construction work. The Desmond Company supplies the men and provides for their board and lodging. It is expected that one hundred construction workers will be added to the force at the plant this week.

## BUILDERS' DAY

**First Run Theatres to Display Slides, Thirty-six Prizes Offered and More Coming. Event Promises to be Biggest and Best.**

Builders' Day this year will be the biggest and best in the history of any similar organization in the West.

It will unquestionably be the most widely attended fete of its kind ever held in California. Advance indications are that the Big Basin in Santa Cruz County will have more people under its magnificent trees on Saturday, July 3, than it has ever had in any one day before.

All of which is largely due to the efforts of Clarence F. Pratt, of the Pratt Building Material Company, who is spending considerable time and not a little of his money in "putting over" the fete day of the building men of this part of the state. Pratt has just engineered a coup which will put "Builders' Day" into the minds of many thousands of people in a total of twenty California cities and towns.

For he has arranged for the advertisement of the big event, in conjunction with the staging of the annual forest play of the Sempervirens Forest Play Association, to be given in the Big Basin amphitheatre the night following the "Builders' Day" celebration, on the screens of no less than forty-two motion picture theatres.

Ten of these houses are in San Francisco. Of this number, four are "first run" houses, the down town theatres which are attended by hundreds of thousands of people weekly. All the principal districts of the city are represented, including the Mission, the Fillmore District, the Richmond and the Haight and Ashbury Districts. Ten houses will throw slides on their screens, which will inform their audiences nightly of the Builders' Day and the forest play.

Three of Oakland's biggest theatres will also show the slide and the two largest houses in Berkeley will flash the news on their screens. The cities of San Jose and Stockton will each show the slides in three of the biggest houses, and the legend will be on the screens of the two biggest houses in Alameda, Vallejo and Fresno. In Sacramento, Pratt has arranged to run the slides in the four principal theatres. One theatre in each of the following cities will flash the legend on the screen:

Modesto, Richmond, San Mateo, Palo Alto, Burlingame, Redwood City, Santa Cruz, Salinas, Petaluma, Lodi and Tulare.

In addition, a total of thirty-six prizes for the winners of the many events to be staged on "Builders' Day" has been obtained. The list will be considerably longer, Pratt announces, before the big day comes 'round.

The forest play of the Sempervirens Club, which will take place the night of Builders' Day, in the Big Basin amphitheatre, is to be one of the events of the year. It is designed, primarily, to advertise to the world the natural beauties and wonders of California Redwood Park, of which Big Basin is a part, and to help in the movement to preserve the California redwoods. Both these movements have the hearty support of the builders, who have very much at heart the success of the play.

Don W. Richards, the author of the play, and Howard H. Hanson, the composer, announce that rehearsals have been most satisfactory and that the play-pagent will be a memorable one from a historical as well as an artistic standpoint. The plans for the production are ambitiously elaborate. It is expected that a good crowd of Eastern visitors will be among the guests, as there will be thousands of around-the-bay visitors here for the Democratic convention.

## L. Sonneborn Sons, Inc., of N. Y. Opens Factory Here

Owing to greatly increased business, L. Sonneborn Sons, Inc., of New York, well-known manufacturers of Lapidolith, Lignophol and Cemcoat, concrete and wood preservatives, have opened a branch office in San Francisco at 77 O'Farrell St.

Lapidolith has been known in the building trade for years as a concrete floor hardener, dust and weather proof.

Lignophol is well known as a wood preservative, and Cemcoat is famous throughout the country as a factory mill white-enamel paint.

Mr. Samuel Jacobs is in charge of the local offices and will be pleased to answer all inquiries regarding these products. Mr. I. Silberstein will cover the field in and around San Francisco.

## HETCH-HETCHY CONTRACT HELD LEGAL BY COURT

Superior Judge Frank J. Murasky yesterday decided that the contract entered into by the city with the Construction Company of North America for the construction of certain tunnel work in the Hetch-Hetchy water project is legal.

## NEW MILL FOR MEMPHIS IRON AND STEEL CO.

MEMPHIS, June 17.—A site on the Belt Line Railroad here will be utilized for a $300,000 plant to be built by the Memphis Iron & Steel Company. This is a new enterprise organized to manufacture bar and flat steel and smllar material for light railway and other construction work.

### TO DISPOSE OF HIGHWAY BONDS AT HIGHER INTEREST RATE.

RENO, Nevada.—Another issue of highway bonds bearing interest at 6% and amounting to $300,000 will be issued by Washoe County. The county commissioners decided to take such action following failure to get bids on the $300,000 issue bearing interest at 5½%.

Bids first will be asked for on a block of $50,000 and when that amount is exhausted bids will be asked on the remaining $250,000. It is believed that a portion of the issue will be taken by local parties.

### ROCK AND SCREENING BIDS WANTED.

SAN LEANDRO, Alameda Co., Cal.—Up to 8 P. M., June 28th, bids will be received by J. J. Gill, City Clerk, for supplying rock and screenings to the City of San Leandro for the year ending June 30th, 1921.

Certified check for 10% payable to City Clerk required.

### PLANS FOR STORM WATER SEWER ORDERED

SAN LEANDRO, Alameda Co., Cal.—City Engineer Goodwin has been instructed to prepare plans for a storm water sewer in Alvarado street, the estimate cost of which is $15,000. J. J. Gill is City Clerk.

### STREET WORK PLANS ORDERED.

SAN DIEGO, San Diego Co., Cal.—City Engineer Rhodes has been instructed by Council to prepare plans and specifications for paving Texas street, between Balboa Park and University Ave. with 3-in. asphaltic concrete base and asphaltic oil and rock screenings surface.

The purpose of a journey is not merely to arrive at a goal, but to find enjoyment on the way.

## STATE CORPORATION DEPARTMENT

SACRAMENTO, Cal.—O. K. Furniture Co., Sacramento, is given permission to issue 1050 shares of its capital stock to certain persons in exchange for a certain copartnership business consisting of general furniture, hardware and paint business.

Ariss Knapp Co., Emoryville, is permitted to issue to its incorporators 54,850 shares in exchange for certain property turner over to it by its incorporators.

The company proposes to acquire from its incorporators the equipment and materials used by them in road contracting and construction work.

## TO DRILL FOR OIL

WILLIAMS.—The oil boom in Sutter and Colusa counties has really begun. Recently the Mountain House Standard Oil company of Williams began actual drilling for oil in the Mountain House field, eight miles west of Williams. Prospects are so good in Colusa and Sutter counties that the Mountain House company, who came here with the intention of leasing 3000 acres, have now leased 20,000. The Mountain House company is a Nevada corporation, but has satisfied the requirements of the California commissioner of corporations. Within a short time the Mountain House company expects to have at least five rigs at work and to drill with all possible expediency until the time oil is struck.

### OIL SPREADING BIDS WANTED

SAN LEANDRO, Alameda Co., Cal.—Up to June 28th, bids will be received by J. J. Gill, City Clerk, for furnishing and spreading oil on street surfaces for the year ending June 30th, 1921. Certified check for 10% payable to City Clerk required.

### ROAD WORK BIDS WANTED.

SANTA BARBARA, Santa Barbara Co., Cal.—Until 2 P. M., July 6, bids will be received by Supervisors of Santa Barbara Co. for constructing a pavement with crushed rock foundation and asphaltic concrete wearing surface with all necessary drainage structures in Road Improvement District No. I, under act of 1907. C. A. Hunt, County Clerk.

### STREET WORK CONTRACT AWARDED.

SEELEY, Imperial Co., Cal.—Geo. H. Oswald, 366 E. 58th St., Los Angeles, was awarded the contract at about $42,000 for constructing about 1 mile of 4-in. concrete pavement on streets in the townsite of Seeley. G. R. Daley submitted the only other bid at about $43,000. Henry Burk of El Centro, is the engineer.

### STREET WORK PLANNED.

OCEAN BEACH, Los Angeles Co., Cal.—Property owners of Ocean Beach have filed a petition with the San Diego City Council for the creation of Point Loma Improvement District No. 4. It is proposed to pave certain streets with 3-in. one-course Willite.

### SEWER CONTRACT AWARDED.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, Clerk, has awarded a contract to J. W. Terrell for improving 43rd street from a point 50 feet south of Fourth avenue to the main sewer in Fifth avenue, by construction of an 8-inch sewer with 24 6-in. wye branches and 2 concrete manholes.

## WHITE LEAD COMPANY ORGANIZES IN AUSTRALIA

Advices received from Australia via London state that a new company for the manufacture of white lead and allied products has been formed in Australia under the name of the British-Australian Lead Manufacturers Proprietary, Ltd. The capital is £300,000, the greater part of which has been subscribed by the leading white lead corroders in the United Kingdom, and the balance by the Long Life Mining Companies at Broken Hill. The company is erecting works with an output capacity of 4000 tons of white lead per annum, and it is intended to manufacture paints and varnishes as well. As the Australian consumption of white lead is approximately 10,000 tons a year, there is ample scope for the new company.

## CALIFORNIA SCHOOL LANDS SOLD

SACRAMENTO. — State Surveyor General W. S. Kingsbury has announced that 6201.18 acres of state school lands were sold at auction in superior California counties at the recent sales. The land brought a total of $9890.85, which will be placed in the school fund. The sales resulted as follows: Butte county, 1785.77 acres, $2811.89; Yuba county, 1420.32 acres, $3642.37; Placer county, 1072.22 acres, $1205.58; Glenn county, 1282.87 acres, $1559.01, and Colusa county, 640 acres, $672.

## CHAMBER ENGAGES INDUSTRIAL ENGINEER

That San Francisco may be prepared to handle the immense world trade which is centering in this port, the Chamber of Commerce has engaged Dr. B. M. Rastall, New York industrial engineer, to direct the chamber's industrial department and develop an organization that will give the city and the metropolitan area the most modern equipment for industrial development of any community in the United States.

## NO TIME EXTENSIONS FOR STREET WORK

FRESNO, Cal., June 15—The policy of granting a continuance of time on street work to contractors simply upon request is likely to be abandoned by the city board of trustees, according to a letter sent out by Mayor W. F. Toomey to the various contractors who have street contracts. Complaints pouring in upon the mayor recently that contractors were plowing furrows in streets in order technically to comply with their contracts aroused the executive to announce this stand.

## GOVERNMENT TO BUILD RADIO STATION

PACIFIC GROVE, Cal.—According to a communication received by the Chamber of Commerce, the Navy Department plans to establish a radio compass station at Point Cypress near Pacific Grove. Approximatelw $10,000 will be spent in construction, according to reports.

### IRRIGATION WORK PLANNED.

MARYSVILLE, Yuba Co., Cal.—Feeney & Seidel, of Willows, Cal., who recently purchased a big tract near Marysville will install a $50,000 irrigation plant to furnish water for their 2,385 acres. Fifteen hundred acres will be planted to rice and 885 acres will be set out in prune trees and seedless grapes.

## GEORGETOWN SAWMILL IS TO BE REBUILT

GEORGETOWN, Cal., June 15.—It was announced here today that the sawmill of the Georgetown Lumber & Supply Company, which was burned Saturday with a loss of $50,000, will be rebuilt immediately. About 125,000 feet of lumber was included in the loss.

## ENGINEERS ENDORSE PAPER RELIEF PLAN

The National Convention of the American Association of Engineers has endorsed the scheme to use Alaska timber for reducing the shortage of paper suggested by Secretary of Agriculture Meredith and pledged the support of the engineers in aid of the project.

### STREET AND SEWER WORK PLANNED.

SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, Cderk, has passed resolution of intention No. 1492 for improving Franklin Boulevard, from 4th to 6th avenues, by grading; constructing concrete curbs and gutters, 2 concrete manholes with cast iron curbs and covers, 19 cast iron gutter drains and connecting same to sewer with 6-inch vitrified ironstone sewer pipe and laying a 5½ inch asphaltic concrete pavement. Work will be done under the Improvement Bond Act of 1915.

### ONLY ONE BID RECEIVED FOR STATE HIGHWAY IMPROVEMENT.

SACRAMENTO, Cal.—Only one bid was received on June 14th by the California Highway Commission for the following improvement:

Tehama County, between Los Molions and Red Bluff (H-Teh-3-D), about 14.5 miles in length to be paved with Portland cement concrete.

Lynn S. Atkinson, Sacramento, $243,-594.50.

Engineer's estimate, $234,819.50.

### TO AUCTION BOILER AND PUMP FITTINGS.

LOS ANGELES, Cal.—At 12 noon, June 21, the county supervisors will sell at auction at the Broadway entrance to the Court House for cash one 35 h. p. boiler with pump fittings. The boiler may be seen at Studebaker station on the Southern Pacific Railroad.

### IRRIGATION PLANNED.

DIXON, Solano Co., Cal.—A result of a meeting held here to discuss irrigation was the appointment by Chairman T. A. Kilkenny, of J. H. Rice, L. Wilson of Winters and P. M. Doyle, a committee to sound sentiment for the creation of an Irrigation District and to ascertain the number who would join such a district.

Putah Creek will be the source of supply for the irrigation system.

Steps are being taken to get reliable and complete data as to the practicability and cost of the project.

## MASTER PLUMBERS FAVOR OPEN-SHOP PLAN

PITTSBURG, June 15.—A resolution endorsing without reservation the open shop was introduced at today's session of the annual convention of the master plumbers national association, which opened here yesterday. It was referred to the resolutions committee, without debate.

### BUSINESS OPPORTUNITY

John H. Gardner, 417 North Prince street, Lancaster, Pa., desires to get in touch with manufacturers of window shade accessories.

## WOULD DESTROY CHURCHES

LONDON.—The commission appointed by the Bishop of London to consider the question of superfluous city churches recommends the demolition of nineteen, of which thirteen were built by Sir Christopher Wren. The value of their sites is over £1,500,-000.

## MILLION DOLLAR DAY

EL CENTRO, Cal.—For the first time in its history, June 9, Imperial Valley shipped products to a gross total of better than $1,000,000. This record of shipment of $1,000,000 daily is believed to top all records for the State of California in production of agricultural wealth.

## CARSON CITY CIVIL ENGINEER ENDS LIFE

CARSON CITY, Nev.—Edmund A. Coleman, Civil Engineer, committed suicide here by shooting himself through the heart. He had been ill for the last year.

## HETCH-HETCHY TO 'WN SWEPT BY $200,000 FIRE

**San Francisco Supervisors Join Groveland Volunteers in Fighting Flames**

Although the business section of the town of Groveland is a charred ruin, following the fire that swept it late Tuesday night, no damage was done to any of the construction work on the Hetch-Hetchy water project, according to word received at the City Hall. The loss in Groveland is estimated at $200,-000.

San Francisco Supervisors, on their annual inspection trip to Hetch-Hetchy, arrived just in time to help fight the flames rescuing guests from the Groveland Hotel and saving a large quantity of personal property.

Supervisor Charles Nelson, who was in the Hetch-Hetchy clubrooms, saw the flames and gave the alarm.

The buildings destroyed by the fire were:

Quarters of Justice of the Peace J. G. de Ferrari.
Postoffice building.
Barber shop operated by Ode Malone.
Groveland Hotel annex.
Opera House.
General merchandise store operated by Clyde Smith.
Butcher shop owned by S. A. Ferretti.
Hetch-Hetchy co-operative store.
Candy store operated by Charles Coping.
Schoolhouse.

### SUPERVISORS FIGHT FIRE

In the party of volunteer fire fighters, headed by the San Francisco Supervisors, were Supervisors Charles Nelson, Joseph Mulvihill, Cornelius J. Deasy, Fred Suhr, Edwin G. Bath, Charles J. Powers, William S. Scott, Joseph Lahaney, John D. Hynes, J. Emmet Hayden, Tiv Kreling, James Burry, the City Engineer, Assistant City Engineer, A. J. Cleary, Assistant City Attorney D. S. O'Brien, Angelo Rossi, member of the San Francisco playground committee, and Charles Skelly, secretary of the San Francisco police committee.

Most of the burned buildings were the property of T. H. Carlin. The only injury was sustained by a fireman.

Shall he who cannot do much be for that reason excused if he do nothing?—Abraham Lincoln.

# Building & Engineering News

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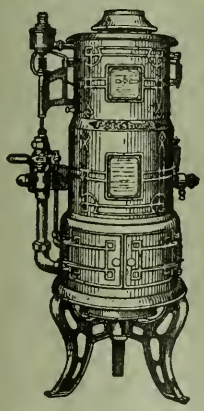

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**Regular Meetings of the Chapter Monthly.**

TIME: First Thursday of the Month; 7:30 P. M.

PLACE: Engineers' Club, Mechanics Institute Building, 57 Post St.

Chapter Office — 700 Marston Building — 244 Kearny St., San Francisco

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Twentieth Year | San Francisco, Cal., June 30, 1920 | Number 24

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# EDITORIAL

**L. A. LARSEN, Publisher.**
**J. P. FARRELL, Managing Editor.**

## U. S. MONEY TO BUILD CHINESE UNIVERSITY

SHANGHAI.—Grounds of the summer palace of a Manchu prince, just outside of Peking, are to be the site of a group of new buildings, constructed in the best style of temple architecture, but with interiors of the most modern American type—the new home of Peking University, an American-British institution, if plans announced here are successful. More than $3,600,000 is to be spent on the new plant.

Most of the money for the original outlay is expected to come from American sources, but the Chinese are adopting a new attitude toward foreign educational standards, and according to Dr. J. L. Stuart, president of the university, it appears certain that sufficient funds will be raised in this country to establish and maintain the main vocational and other special chairs that are included in the program.

## COUNTY CREATES ROAD MAINTENANCE DEPT.

SACRAMENTO, Cal., June 23.—A County Highway Maintenance Department under the Ream Act created by the Board of Supervisors by a vote of three to two after three hours of argument. Supervisors Charles Alvord, R. E. Callahan and C. E. Mahoney voted for, and Supervisors John Russi and John Scholefield voted against the resolutions creating the department.

The engineer to be named was not discussed and the salary he is to receive was not decided upon. It is planned to make the appointment and abolished by the creation of the new department, is expected to be selected for the new office and the salary will be in the neighborhood of $400 per month. The present salary of the County Survey is $200 per month and he receives fees and is permitted to do private work.

Under the new department, the engineer must devote his entire time to the position. Unless the board names the term for which he was elected expires.

## DESERTED VILLAGES IN WORN-TORN FRANCE

One hundred towns in the war area of France have been permanently abandoned, and no effort will be made to rebuild them. Former inhabitants who have come back to their old homes have been ordered to find accommodations elsewhere, as the old sites are too dangerous to live on. During the war this ground was turned over and over, burying explosives of all kinds to unknown depths. The American Red Cross is finding homes for the unfortunate people and doing everything else possible to make them comfortable.

The French government has purchased the land on which many of the villages stood and to avoid loss of life will keep possession of it until it can be made safe.

## ARCHITECT MORRELL OF STOCKTON BUSY

STOCKTON, Cal., June 24.—Architect Ralph P. Morrell, I. O. O. F. Building is preparing plans for a three-story and basement hollow tile and stucco apartment house to be erected at San Joaquin and Sonora streets for I. Billings. The structure will contain thirty-two two and three-room apartments and will cost in the neighborhood of $50,000.

Architect Morrell has awarded a contract to Shepherd and Riley, Yosemite Theatre Building for the alterations and additions to be made on the Pittsburg Hotel in Black Diamond street, Pittsburg, Contra Costa County. The contract was awarded on a percentage basis. Construction will run about $35,000.

Plans for a two-story frame and stucco residence, garage and tankhouse to be erected for C. Wetmuth in Gustine, Merced County, are nearing completion in the offices of Architect Morrell. The buildings will cost $12,000.

Bids for a one and one-half story frame bungalow to be erected near Lodi will be taken by Architect Morrell in the near future. The building will cost approximately $7,000.

## PAINT AND VARNISH WANTED IN TIENTSIN

A steadily growing demand for foreign paints, varnishes, lead and colors is reported from the Tientsin consular district of China. Among those most popular are paste paint, and paint ready mixed for use, in white and red, the latter being used for roofs of the buildings in the foreign settlement. No paint of any sort is used on the majority of Chinese houses, however, as they are built of mud and brick. Another good market for such goods is offered by the railways, which use a considerable quantity of varnish, and of anti-corrosive paint for iron and steel, which in recent years has come largely from the United States.

### TO REBUILD RECREATION PARK

SACRAMENTO, Cal.—Work on the restoration of the burned buildings at Joyland Park will be started as soon as materials can be purchased, according to W. W. Bassett and I. J. Trainor, owners of Joyland, an amusement park, recently destroyed by fire.

## CONCRETE SHIPS CLASSED AS EXPERIMENT

Concrete ships have been placed in the experimental class after exhaustive investigation by the American Bureau of Shipping. Full class, as desired, has been denied. The decision was reached after consultation with prominent shipbuilders and naval architects of the United States. While opinion differed as to the smaller concrete ships, it was the consensus of of opinion that vessels of 3,500 tons were reliable, but those of larger register were not. The concrete ships were given a similar class by Lloyds.

## INDUSTRIAL CRISIS IN JAPAN IS PASSING

A letter from confidential but authoritative sources in Kobe, Japan, to the foreign trade department of the San Francisco Chamber of Commerce states that the present industrial crisis through which that country is now passing has been largely caused by the abnormal inflation of currency and credits, the excessive rise in prices and the speculative mania. These have planted the seeds of the present panic, it is said.

According to this authority the factors mentioned above are responsible for conditions that have been given freedom for so long a time that the inauguration of measures now contemplated by business firms is late—but better late than never.

Overseas buyers are advised to send firm buying orders for their requirements, at the same time establishing a bank letter of credit in favor of Japanese sellers at 50 days usance. This will enable them to quote particularly close prices in view of the stringency of the money market and the fact that all merchants require ready cash. Practically all commodities are on offer at slump prices for cash.

## BIG SEATTLE SHIPYARD TO BE DISMANTLED

SEATTLE, June 21. — Equipment, steel and accessories of the Skinner & Eddy shipyard, No. 1 here have been sold to the Barde Industrial Corporation of New York and Portland, Ore., and the work of dismantling the big plant, where 75 steel ships were built during the war period, will begin immediately it was announced by the Skinner & Eddy Corportation today. The purchase price, according to the announcement, was approximately $1,500,000.

The Seattle corporation retains ownership of the grounds and permanent buildings, but plans for their use have not been announced.

# Is Uniform Accounting Practicable ?

By J. L. Jacobs

J. L. Jacobs and Co., Industrial Engineers and Cost Accountants, Chicago, in the General Contractors of America Bulletin.

It was the Federal Trade Commission which made the statement several years ago that a large number of industrial organizations are not making the money they should. The Commission stated that this was due in large part to the fact that the great percentage of these organizations did not know what their products cost. The Federal Trade Commission made this startling assertion, to get them to determine their costs accurately and completely in the interest of better industrial conditions, "as anything that is of benefit to an industry is of benefit to the public, and * * * that the nearer cost systems approach uniformity, the more valuable will be the results."

The value of accurate and current costs has been fully recognized by many individual corporations, and adequate cost figures are now the rule in many successful manufacturing and a few contracting businesses. With increasing costs of labor and material, the decreasing margin of profit, and the close relationship between individual corporations in industrial groups, a number of associations have undertaken the program of developing uniform methods of cost finding as a guide to the individuals and as an assurance of sane and intelligent competition. Through this means the individuals and the industrial groups are not made to suffer from quotations and work based upon inadequate standardizing cost finding methods of industrial groups has already been taken up by at least fifty separate associations, while a large number of others are developing programs for constructive work.

Along with uniform cost finding methods, a number of associations have developed a service for the clearing and comparison of certain figures and in other ways establishing co-operation between the members. Each member of such an organization is eager to submit his cost figures because he realizes that his competitors are submitting theirs for the benefit of himself and the entire group. As a result of this, standards of comparison can be set up and the endeavor made by all to reach these standards has the effect of reducing wastes in time, material and effort throughout the industry.

### Uniform Cost Methods Applied To Contracting

The program of standardized and adequate cost finding methods in contracting, while it has not kept pace with similar work by manufacturing organizations, has taken complete hold in a number of important activities. The practicability of getting accurate cost figures in construction work is no longer a question and the point raised that the contracting business is unique and different from any other has not been borne out by results.

In practically every one of the other industries, which are now enjoying the benefits of uniform cost methods, the feeling at one time prevailed that unit costs were not possible of attainment, but an examination of the basic conditions and methods resulted in the development of standard methods for each group. It may safely be said that there is no work which is so complicated that definite methods cannot be devised which will give reasonably accurate and valuable results in the matters of cost finding and control.

A notable example of cost accounting methods applied to construction work is the uniform cost accounting plan adopted by the ship construction organizations on the Atlantic Coast. Valuable cost plans on highway and bridge construction and other public works are also in use by a number of states and municipalities, notably by the State of Nebraska, State of Wisconsin, Sanitary District of Chicago, etc.

### Uniform Cost Methods in Shipbuilding

Although never before a great factor in this country, shipbuilding has been developed into a major American industry within the short period since the entrance of our country into the world war. With a view of stimulating greater production and lower costs in ship construction, the Atlantic Coast Shipbuilders' Association and the United States Shipping Board Emergency Fleet Corporation during and since the close of the war has directed the attention of shipbuilders to the wisdom of accurate, adequate cost finding methods. As a result of this work a program was undertaken by the Committee on Uniform Cost Methods of the Atlantic Coast Shipbuilders' Association and a general plan of uniform cost methods has recently been adopted for the different shipyards. A committee of the Association has also been appointed to promulgate and put into effect the methods adopted.

Shipbuilding is an industry which partakes both of the nature of a manufacturing and of a construction industry. In the uniform cost methods that were adopted by the shipbuilders, however, a clear line of cleavage was drawn between the manufacturing and the construction phrases.

The preparation of the plan of uniform cost finding methods was preceded by thorough examination of prevailing practices and methods and of the organization of some twenty-five shipbuilding companies (representing over sixty shipyards). Examinations of the shipyard organization, and of the physical plants, and of the activities in the shipyards brought out clearly the diversity and number of classes of activities and product units. At one extreme, there are the shipyards which manufacture and fabricate their own hull steel and engines complete from basic raw materials and also manufacture much of the ship outfit. At the other extreme, there are those shipyards which purchase complete engines, machinery, etc., as well as fabricated steel for hull, and buy much of the ship's outfit. Between these two extremes are numerous variations and modifications.

## UNIFORM SYSTEM ALLOWS FOR DIFFERENCES

### Uniform System Allows for Differences

Any standardized methods of determining costs in shipbuilding or in any form of construction which do not recognize the basic divisions and major differences in activities and productions, must of necessity be incomplete or superficial. The basic lines of distinction or classification must be so fundamental that they will be adaptable to the variations in activities and productions which exist in any organization. However, the analysis of ship construction demonstated, not that the differences could not be adjusted under a single plan, but that there was need for definite and complete classifications. The standardized methods that were adopted recognized that there were basic divisions and major differences in shipbuilding activities and production.

Classifications of the major activities, construction units and departmental divisions in shipyards are drawn up in such a way as to be applicable to all shipyards. Under these classifications, any individual plant can use those items which are applicable, and omit those which do not apply. Also, each yard can develop any detail subdivisions under each of the main divisions without in any way affecting the general classifications or the purposes of the standardized plan of cost accounting. Such a method is applicable to the most varied kinds of construction and different types of corporations.

### Public Works Cost Accounting

In fact, the work of collecting and arranging material, labor and expense charges in a standard accounting system for construction work on highways, bridges and other public works has been carried out successfully in a number of instances. The Nebraska State Department of Public Works recently adopted a complete system of cost accounting to cover all its activities with particular reference to its extensive program on highway and bridge construction. Practically all the work of the department is done by contract, on which the contractors are called upon to bid by standard items. The state wants to know what fair prices are for doing of the state work, and it finds out by having a cost system which serves as a guide to both the estate and contractors.

The purposes which the state has in getting these costs are as follows:

"1. To ascertain unit and total costs to the contractor for the following purposes:

a. As a gauge of the efficiency of work, methods and operations.

b. As a guide and basis for future estimates on construction.

c. As an index to which the bids of contractors on future work can be referred.

d. As a basis of determining actual cost of construction under the varying conditions which exist in different sections.

"2. To ascertain total and unit costs on each job.

"3. To supply current operating and cost statistic and reports whereby the executives will be enabled to visualize progress and conditions of work and control construction operations.

"4. To obtain complete information and records for compensating contractors according to the provisions of contracts with the state and making settlements with the Federal and County government for their respective shares of the cost of such work.

"5. To insure against unintelligent competition and unprofitable undertakings by contractors and to encourage standardization and cost control resulting from cost comparisons."

### Bridge Construction Cost Units

Complete unit costs are gathered separately for each of the major public works activities, which correspond to the product units in the standard shipbuilding cost methods.

The following are examples of some of the cost units on bridge construction:

1. Preparation of the Site.
   11. Clearing and grubbing.
   12. Removal and care of old bridges.
2. Foundations.
   21. Coffer dams.
   22. Round piling.
   23. Excavation—Dry.
   24. Excavation—Wet.
   25. Excavation of rock.
3. Concrete Bridge Structure (used only for concrete bridges.)
   31. Forms for mass concrete.
   32. Forms for architectural concrete.
   33. Mass concrete in place.
   34. Architectural concrete.
   35. False work.
   36. Reinforcing and drains.
   37. Roadway.

To each of the above accounts, charges are made for labor, material and expense. In this way, it is possible to know precisely where the cause lies for costs exceeding or running below estimates, and the current cost reports serve as a guide to the state and contractors before too much time and money have been wasted.

### Chicago's System Standardizes Many Varying Factors

The Sanitary District of Chicago has developed standard cost systems on construction work in both its engineering and its electrical departments, which show how readily work of different kinds done by all sorts of construction firms can be brought within the scope of a uniform accounting system. As in the case of the State of Nebraska, a large part of the work of the engineering department is done by contract. The cost accounting system is maintained to check the bids of the many different contractors, and to compare progress with costs during the process of the work. In the electrical department, however, construction work is largely done by the employes of the district, and the cost system permits of contral of the work in process and furnishes information on the efficiency of construction as well as a basis for future estimates.

Several years ago, the City of Chicago also devised a plan of cost accounting on the construction of municipal water works, and this plan has been in succesful use in connection with the construction work on some of the largest municipal projects undertaken by the city.

### Advantages Derived from Proper Cost Methods

On any particular job, the purpose of a cost system is to obtain and so assemble the various items of materials, direct labor, and expense charges that those in charge (1) will know the cost of various units as completed, (2) will have cost figures presented to them periodically so arranged that they will be enabled to discover any abnormal conditions, and (3) may thus control the preformance of labor, materials and operations. The value of such information to the executives of any corporation, big or little, is obvious. Especially as a guide and basis for estimating new business accurately and completely, as a guage of the actual value and efficiency of workers, equipment and methods and as a means of readily visualizing the details of cost which make these possible, a properly designed cost accounting system is essential.

When applied uniformly for any group or association, these advantages are greatly intensified. By establishing a uniform terminology and classification of accounts, a comparison of costs and efficiency in similar work is made possible. The establishment of standards for comparing and measuring operating efficiency is made practicable. As a result, not only are unintelligent competition and unprofitable undertakings largely eliminated, but a closer co-operation and more friendly competition is created throughout the entire industry.

## BUILDING NEARLY HALF MILE HIGH BEING PLANNED

The world's tallest building is being planned by Pittsburg citizens as a memorial for Pennsylvanias in the war, according to an announcement of the bureau of memorial buildings on the War Camp Community Service. The tower is expected to reach an altitude of 2,000 feet, high above the smoke screen of the city; and will be almost three times the height of the Woolworth building and seven times as high as the Flatiron building.

On the 2,000-foot level an observation tower will give a view of 40 miles radius, and vari-colored electric searchlights will radiate in various points of the compass. An assembly hall to accommodate 15,000 persons will occupy the second story, which will exceed by 5,000 the proposed capacity of Victory Hall in Pershing Square, New York. A restaurant will occupy the floor at the 1,000-foot level, which will offer a wide view of the city. A memorial room, situated 500 ft. above this, will be large enough to house any instrument used by the army in the war.


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# Advance News

## Official Proposals, Etc.

# Building.

### APARTMENT HOUSES.

Plans Being Prepared.
APARTMENTS Cost, $50,000
STOCKTON, San Joaquin Co., Cal. San Joaquin and Sonora Streets.
Three-story hollow tile and stucco apartment house (30 2 and 3-room apartments).
Owner—I. Billings.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

Plans Being Prepared.
APARTMENTS Cost, $18,000
BERKELEY, Alameda Co., Cal. Hillegass and Woolsey Streets.
Two-story frame and plaster apartment house, three apts. (2, 3-room and 1 9-room).
Owner—Withheld.
Architect—A. W. Smith, 1010 Broadway, Oakland.
NOTE:—Plans will be ready for figures in about a month.

Segregated Figures Being Taken.
ALTERATIONS Cost, $11,000
SAN FRANCISCO. Church Street near 20th Street.
Alter two-story frame residence into 2 6-room flats.
Owner—Mrs. E. Schaffer.
Architect—A. H. Knoll, Hearst Bldg., San Francisco.

Plans Being Prepared.—Figures to be Called For in About A Month.
APARTMENTS Cost, $100,000
OAKLAND, Alameda Co., Cal. Telegraph Ave. near 40th St.
Three-story and basement brick apartment house ,145x150 (30 3-room apts.)
Owner—Withheld.
Architects—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.

### BANKS.

Segregated Figures Being Taken.
BANK Cost, $100,000
KINGSBURG, Fresno Co., Cal. Draper Street.
Two-story reinforced concrete bank building.
Owner—Kingsburg Bank.
Designer—Anton Johnson, Kingsburg.

Contractor Taking Sub-Figures.
BANK BLDG. Cost, $20,000
TOMALES, Marin Co., Cal.
One-story reinforced concrete bank building.
Owner—Bank of Tomales.
Architect—Not Given.
Contractor—Hayes-Oser Co., Call Bldg., San Francisco.

Plans Being Prepared. Figures To Be Called For In About a Month.
ALTERATIONS Cost, $50,000
SAN DIEGO, Cal.
Extensive alterations to interior of bank.
Owner—United States National Bank.
Architect—H. H. Winner Co., Humboldt Bank Bldg., San Francisco.

### CHURCHES.

Contract Awarded.
MAUSOLEUM Cost, $14,580
SAN MATEO COUNTY. Home of Peace Cemetery.
Granite and marble mausoleum.
Owner—John I. Walter, 564 Mission St., San Francisco.
Architect—Houghton Sawyer, Hearst Bldg., San Francisco.
Contractor—D. Tosi & Co., Colma.

Preliminary Plans Awaiting Approval.
CHURCH Cost, $35,000
PORTERVILLE, Tulare Co., Cal.
Fireproof church building.
Owner—Christian Church of Porterville.
Architects—Swartz & Ryland, Rowell Bldg., Fresno, Cal.

Completing Plans.
SYNAGOGUE Cost, $50,000
LOS ANGELES. Brooklyn Avenue.
Brick synagogue, 60x100.
Owner—Congregation Talmud Torah.
Architects—Edelman & Barnett, H. W. Hellman Bldg., Los Angeles.

SACRAMENTO, Cal.—The Oak Park Methodist Episcopal Church has purchased a site, 50 by 150 feet, adjoining the present church building at Thirty-fourth street and Third avenue and plan the erection of a $30,000 structure. Fifteen thousand dollars is now available for construction.

### FACTORIES & WAREHOUSES.

Plans Being Figured.
FREIGHT HOUSE Cost, $35,000
NOGALES, Ariz.
One-story reinforced concrete freight house 50x200.
Owner—Southern Pacific Co.
Architect—Eng. Dept. of owner, S. P. Bldg., San Francisco.

Plans Prepared.
HANGAR. Cost, $25,000
RENO, Nevada.
Hangar 125x115 for use of air mail service.
Owner—City of Reno, John E. Sullivan, City Clerk, Reno, Nevada.
Architect—Not given.

To Be Done by Day's Work.
MOTION PICTURE STUDIO Cost, $1,000,000.
SAN MATEO, San Mateo Co., Cal. 105 acres, near the highway just out of San Mateo.
Brick and steel Motion Picture Studio Buildings (5 buildings, 80x120 each, 35 ft. high).
Owner—Golden Gate Cinema Studios, Cptn. Hewes Bldg., San Francisco.
Designer—A. P. Hamberg, Hewes Bldg., San Francisco.
NOTE—Work is ready to start immediately, all the lumber has been purchased from a member of the corporation.

Contract Awarded.
WAREHOUSE Cost, $28,350
SACRAMENTO, Cal. Sixth and G Sts.
Two-story brick warehouse.
Owner—California Packing Cptn, 101 California St., San Francisco.
Engineer—Philip L. Bush, 101 California St., San Francisco.
Contractor—McGillivary Constr. Co., Capitol National Bank Bldg., Sacramento.

Sub-Figures Being Taken.
FACTORY Cost, $100,000 approximately.
SAN FRANCISCO. NE Bryant and Third Streets.
Three-story brick and steel candy factory building.
Owner—H. H. Helbush, 40 Montgomery St., San Francisco.
Lessee—Angeles Candy Co.
Architect—W. L. Schmolle, 40 Montgomery St., San Francisco.

Plans Being Prepared.
MILL Cost, $1,000,000
SEATTLE, Wash. Ryan, Bangor, 36th and 38th Streets, South.
Owner—First unit of steel mill.
Owner—Western Rolling Mills Co., J. Johnson, President; J. M. Price, Vice-President, and Frederick Bruhn, Secretary, 401 Pacific Blk., Seattle, Wash.
Engineers—Eng. Dept. of Owners.
The plant completed will cost in the neighborhood of $15,000,000.

Contractors Taking Figures for Piling.
WHOLESALE BLDG. Cost, $1,500,000 Approximately.
SAN FRANCISCO. Block Bounded by Third, Fourth, Channel and Berry Sts., 275x825.
Six-story reinforced concrete wholesale building, 100x825, spur tracks, etc.
Owner—Southern Pacific Co., S. P. Bldg. 65 Market St., San Francisco.
Architect—Bliss & Faville, Balboa Bldg San Francisco.
Contractor—Dinwiddie Constr. Co., Crocker Bldg., San Francisco.

Preliminary Plans Being Prepared.
WAREHOUSE Cost, $——
OAKLAND, Alameda Co., Cal.
Three-story reinforced concrete warehouse additions to label printing building and label department bldg.
Owner—California Packing Cptn., 101 California St., San Francisco.
Architect—Philip L. Bush, 101 California St., San Francisco.

Plans to be Prepared. Site Purchased.
FACTORY. Cost, $——
MARYSVILLE, Yuba Co., Cal. Elm St. bet. Second and Third Sts.
Candy factory.
Owner—Culmsee & Co., Marysville, Cal.
Architect—Not Given.

Figures to be Taken in a Few Days.
WAREHOUSE Cost, $25,000
BAKERSFIELD, Kern Co., Cal.
One-story reinforced concrete warehouse, 130x40.
Owner—Sperry Flour Co.
Architects—Coates & Traver, Rowell Bldg., Fresno.

Plans Being Prepared.
WAREHOUSE Cost, $——
SACRAMENTO, Cal. Front and P Sts.
Two and three-story reinforced concrete, steel and brick warehouse.

Owner—California Packing Cptn., 101 California St., San Francisco.
Engineer—Philip L. Bush, 101 California St., San Francisco.

Plans Sent East for Approval—Figures to be Called for in About Two Weeks.
BUILDING Cost, $125,000
SAN FRANCISCO. W Second from Federal Street to South Park.
Four or five-story reinforced concrete building.
Owner—Federal Rubber Co., 1239 Van Ness Ave., San Francisco.
Architect—E. G. Garden, 783 Flood Bldg., San Francisco.

## FIREHOUSES AND JAILS.

Plans Being Figured. Bids Close July 19th, 5 P. M.
ENGINE HOUSE Cost, $——
FRESNO, Fresno Co., Cal. Lots 7, 8, 9, 10 and 11 Blk. 224.
Construction of fire engine house.
Owner—City of Fresno, Chas. Dillon, City Clerk, Fresno.
Architects—Swartz & Ryland, Rowell Bldg., Fresno.
Plans may be obtained from the office of the architect at Fresno. Certified check for 10% payable to Mayor and City Clerk required.

## GARAGES.

Being Done by Day's work.
SHOP AND FOUNDRY Cost, $23,000 each.
SACRAMENTO. S. P. Yards.
Frame spring shop and frame brass foundry.
Owner—Southern Pacific Railroad Co.
Architect—Eng. Dept. of Owner, Southern Pacific Bldg., San Francisco.

Contract Awarded
GARAGE Cost, $——
PETALUMA, Sonoma Co., Cal. East Petaluma.
Garage.
Owner—Standard Oil Company.
Architect—None.
Contractor—W. C. Stradling, Petaluma.

Contract Awarded.
GARAGE Cost, $33,000
SAN FRANCISCO. Laguna, Fulton and Ash Avenue.
One-story Class "A" garage building 110x120.
Owner—Harry P. Braig.
Lessee—The White House, Sutter and Grant Ave., San Francisco.
Architect—Henry Shermund, Hearst Bldg., San Francisco.
Contractor—American Concrete Co., Humboldt Bank Bldg., San Francisco.

## GOVERNMENT WORK AND SUPPLIES.

WASHINGTON, D. C.—The Bureau of Yards and Docks, Navy Department, has cancelled Specification No. 4232, providing for the installation of a telephone system at the San Diego Naval Base.

STOREHOUSE—Office of the Chief of Bureau of Yards and Docks, Navy Department, Washington, D. C.—Bids are wanted until July 7, specification 4157; for constructing quartermasters' storehouse at the marine base, San Diego, Calif.; estimated cost, $150,000; deposit of $10 required for plans.

Prospective bidders for this work are:

Hyde & Baxter, 1311 G street N. W., Washington, D. C.
Crane Co., Washington, D. C.
Truscon Steel Co., Woodard Building, Washington, D. C.
F. L. Lockwood, Woodward Bldg., Washington, D. C.

FORT MASON, Cal.—The following bids were received on June 21st by the Constructing Quartermaster's Office at Fort Mason for the construction of steel hangars, generator houses and miscellaneous construction at Forts Barry and Winifield Scott.

Bos & O'Brien, Hearst Bldg., San Francisco, all work except steel and iron for work at Fort Winifield Scott, $63,332.

Lange & Bergstrom, Sharon Bldg., San Francisco, all work excepting steel and iron at Fort Barry and Fort Winifield Scott, $139,000.

Puget Sound Bridge & Dredging Co., entire work at Fort Warden and Fort Casey, Washington, $239,000.

A. W. Crist Co., entire work at Fort Warden and Casey, $219,566 and for all work except steel and iron work for same, $164,606.

SAN FRANCISCO.—The following bids were received on June 22nd by Lieutenant Colonel Ira L. Fredendall at Fort Mason for installing High Pressure Fire Main System at Letterman General Hospital.

Three firms submitted alternate bids for labor only, the materials being furnished by the Government.

J. Curry .....$12,844
Bos & O'Brien..... 16,196
Geo. Boxton..... 18,935
James & Drucker, $21,670; alternate .....$8,185.70
D. O. Church, $22,000; alternate ..... 10,000.00
Raisch Imp. Co., $28,700; alternate .....$16,700.00

WASHINGTON, D. C.—Bids received by the Supervising Architect, Treasury Department, Washington, D. C., for new toilet rooms in the Carson City Post Office, under date of June 3d, have been rejected and new bids ordered up to July 12th, 3 P. M. Bids received under the first call follow:

J. A. McDermott, 123 E. Second St., Reno, Nevada, $1,795, 16 days.
Wm. Wilby, P. O. Box, 313, Selma, Ala., $3,462.50.

Contract Awarded.
STATION Cost, $1,133,600
SAN FRANCISCO. Presidio of San Francisco.
Buildings for Air Coast Defense Station (34 buildings, paving, sewering, etc.)
Owner—U. S. Government.
Architect—Owner.
Contractor—Mahoney Bros., Flood Bldg San Francisco.
The contract was awarded for omitting 2 hangars at $65,400 each, gasoline pump house and piping system at $9,200 and a steel flagpole at $900.

ALBUQUERQUE, N. M.—Until 2 P. M., July 20, bids will be received by E. S. Wheeler, acting district engineer, U. S. Bureau of Public Roads, 218 Luna-Strickler Bldg., Albuquerque, for constructing Sec. 1 of the Snowflake-Pinetop project within the Sitgreaves national forest, Navajo County, Ariz. The project is 22.8 miles in length and the contract involves 1327 cu. yds. rock excavation, 59,04 cu. yds. common excavation, several timber bridges, corrugated metal pipe culverts and 7120 cu. yds. gravel surfacing. Certified check for 5% required. Work is to be completed in 200 weather working days.

PORTLAND, Ore.—The Siems Carlson Co., of Spokane submitted the lowest bid for the Mt. Baker Road and Bridge Project in Whatcom County, Washington, to C. H. Prucell, engineer for the Bureau of Public Roads, U. S. follows:
bridge, $178,852.
2—Concrete piers, War Department Bridge, $174,902.
3—Masonry piers, Howe truss bridge, $178,852.
4—Masonry piers, War Department Bridge, $174,902.
5—Deduct for T. N. T. and Detonators, $10,800.
The length of the project to be constructed and improved is about 8½ miles and the principal items of work are as follows:
29,000 cu. yds. common excavation.
55,000 cu. yds. rock excavation.
43 acres of clearing.
30 acres of grubbing.
1 119-foot span bridge.
The work embraced in this contract is to be completed in 250 weather working days.

WASHINGTON, D. C.—Bids will be received by the General Purchasing Officer, The Panama Canal, under Circular No. 1379, up to July 6th, 10:30 A. M., for furnishing and delivering the following materials at Cristobal (Atlantic Port) or Balboa (Pacific Port):

Structural steel, steel bars, galvanized pipe, iron or steel pipe, cast iron Y's and fittings, pipe dies, boiler punch dies, iron or steel chain, twist drills, ship auger bits, machinists' chisels, steel clamps, and blacksmiths' anvil.

YUMA, Ariz.—George Brothers, Somerton, Ariz., submitted the best bid to the U. S. Reclamation Service, Department of the Interior, Yuma Arizona, for the earthwork in connection with the construction of canals of the First Mesa Unit, Yuma Auxiliary Project.

Following bids were received and taken under advisement:

George Brothers, Somerton, Ariz., $26,117, 3 schedules.
S. R. Yates, Yuma, Ariz., $7,780, 1 schedule (2d).
A. E. McBeath, Yuma, Ariz., $31,100, 3 schedules.
E. F. Sanguinetti, Yuma, Ariz., $39,270, 3 schedules.
Prendergast Constr. Co., Los Angeles $40,200, 2 schedules (1st and 2d).
It is presumed that George Brothers will be awarded the contract.

MARE ISLAND, Cal.—The Unit Construction Co., 423 Sacramento St., Vallejo, have been awarded a contract by the Government for concrete paving on Railroad avenue, from Eighth St. to Building 229, on Seventh St., from Railroad Ave. to California Ave., from the intersection of Seventh St. and California Ave. to Building 215, and between Building 215 and Building 71, in all approximately 4500 square yards. Also for laying a 1½ inch asphalt wearing surface on the causeway connecting Mare Island with the City of Vallejo.

FORT MASON, Cal.—Only two bids were received on June 16th by Lieutenant Colonel Ira L. Fredendall for constructing a concrete approach at Fort Baker Wharf, Fort Baker, Calif.

The bids were as follows and have been referred to Washington:

A. W. Kitchen, $22,600; (1) deduct $1,330; (2) deduct $855.
Healy Tibbitts Constr. Co., $24,980; (1) deduct $1520; (2) deduct, $1000.

WASHINGTON, D. C.—Only one bid was received on June 16th by the Bureau of Yards and Docks for furnishing and installing a high-pressure air piping system at the Naval Ammunition Depot, (Kuahua), Pearl Harbor, T. H. Drawings and specification No. 4185.

No bids were received at Mare Island. The bid was as follows:

Austin Engineering Co., New York, $23,425, 120 days.

SAN FRANCISCO—The U. S. Engineer Office has rejected the bid of the Mercer-Fraser Co., of Eureka, for track laying for the peninsula railroad in Humboldt County as being too high. Specifications will be revised and new bids called for.

The bid of the Mercer-Fraser Co. for grading in connection with the work has been accepted.

SAN FRANCISCO.—Bids will be received by the U. S. Engineer Office, 401 Custom House, up to July 12th, 11 A. M. for furnishing and delivering stone or jetty construction at the entrance to Humboldt Bay.

WASHINGTON, D. C.—The following bids were received on June 21st by the Bureau of Yards and Docks, Navy Department, for constructing a fence with concrete footings, steel posts and rails, wire fabrics, gates and all necessary accessory construction at the Hospital Reservation, Navy Yard, Mare Island, Calif. Specification No. 4197.

Cyclone Fence Co., (1) $14,397.22; (2) $2.14.

Standard Fence Co., (1) $14,007.84; (2) $2.08.

The contract was awarded to the Standard Fence Co., 245 Market St., San Francisco.

## HALLS & SOCIETY BUILDINGS

Plans to be Prepared.
CLUB HOUSE, ETC. Cost, $——
SAN MATEO, San Mateo Co., Cal.
Frame club house, golf course, tennis courts, etc.
Owner—Peninsula Country Club.
Architect—Will H. Toepke, 942 Market St., San Francisco.
Lee H. Newbert, chairman organization committee.
Charles K. Melrose, secretary.
Membership committee—William B. Lawrence, chairman; Oscar Boldemann, Lee T. Ross, F. E. Parfitt and Donald W. Williams.

Contract Awarded.
CLUB BLDG. AND ALTERATIONS
Cost $60,000 & $34,000 respectively
SAN FRANCISCO. S Howard E of 17th Street.
Three-story and basement frame club building and alterations to residence for club.
Owner—Girls Club, Inc., 507 Harrison St., San Francisco.
Architect—Julia Morgan, Merchants Exchange Bldg., San Francisco.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco.

Plans Being Figured. Bids Close July 8, 1920.
BUILDING Cost, $60,000
SAN FRANCISCO. Stockton St., Bet. Washington and Jackson Sts.
Four-story brick and reinforced concrete club building.
Owner—Chinese Native Sons.
Architect—Chas. E. J. Rogers, Phelan Bldg., San Francisco.

Plans Being Figured.
ADMINISTRATION BUILDING
Cost, $90,000.
SAN FRANCISCO. Ocean Avenue bet. Faxon and Ashton Avenues.
One and one-half-story Class "C" administration building.
Owner—Pacific Hebrew Orphan Asylum and Home Society.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.

Plans Being Prepared.
CLUB BLDG. Cost, $400,000
PHOENIX, Ariz. Second Avenue and Adams Street.
Class "A" club building, 100x137.
Owner—Elks' Club.
Architects—Todd & Miller and Herbert J. Mann, Associated, Phoenix.
The building committee is composed of A. W. Crane, chairman; John F. Barker, A. Henderson Stockton, Joseph R. Loftus, Fred Moore and Hugh Cassidy.

Plans to be Prepared.
ALTERATIONS Cost, $——
SANTA ROSA, Sonoma Co., Cal. B St.
Alter and repair Wiley Coughran residence for Scottish Rite Cathedral.
Owner—Scottish Rite Lodge, Knights of Kadosh, No. 11, Santa Rosa, Cal.
Architect—Not Given.
Officers of the lodge are: C. D. Barnett, preceptor; Frank C. Loomis, 1st sub preceptor; Charles Jacobs, 2nd sub preceptor; William H. Calhoun, chancellor; Rev. W. S. Short, orator; B. M. Spencer, almoner; W. H. Pool, recorder, and D. J. Paddock, treasurer.

Contract Awarded.
CLUB BLDG. Cost, $120,000
EVERETT, Wash.
Three-story and basement fireproof club building.
Owner—Y. M. C. A.
Architects—Baker, Vogel & Evans, Pacific Blk., Seattle, Wash.
Contractor—Howard S. Wright, Everett, Wash.

## HOSPITALS.

FRESNO, Fresno Co., Cal.—The Board of Supervisors, D. M. Barnwell, Clerk, has accepted the bid of the Fresno Marble & Tile Co., 1937 Fresno St., Fresno, for installing tile work in the County Hospital. The bids was $5,080.

LOS ANGELES, Cal. — University Hospital Medical College Association has been incorporated for the purpose of erecting a medical college and hospital in Los Angeles. Three sites are under consideration. The buildings will include a 250-bed hospital, research and medical laboratories. The directors of the association are Dr. Chas. W. Bryson, Dr. Rayel B. Jenkins, Dr. Edmund W. Littlefield, Thos. C. Peck and H. D. Ryus.

## HOTELS.

Preliminary Plans Being Prepared.
HOTEL Cost, $——
MERCED, Merced Co., Cal.
Three-story reinforced concrete hotel with 2 two-story wings, 150 rooms and roof garden.
Owner—A Corporation (Name Withheld for present).
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

Contract Awarded on a Percentage Basis.
ALTERATIONS Cost, $35,000
PITTSBURG, Contra Costa Co., Cal. Black Diamond.
Alterations and additions to hotel.
Owner—Pittsburg Hotel.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.
Contractor—Shepherd & Riley, Yosemite Theatre Bldg., Stockton.

Contract Awarded.
HOTEL Cost, $10,000
LODI, San Joaquin Co., Cal Barnhart Tract.
Hollow tile hotel.
Owner—G. Garibaldi and G. Piazzi, Lodi, Cal.
Architect—Not Given.
Contractor—C. C. Wright, Lodi, Cal.

Plans Being Prepared.
HOTEL Cost, $250,000
RAINIER NATIONAL PARK, Paradise Valley, Wash.
Frame or brick and stone tourists' hotel, 300x43 (200 rooms.)
Owner—The Rainier National Park Co.
Architect—Harlan Thomas, Arcade Bldg., Stattle, Wash.

Completing Plans.
HOTEL AND STORE BUILDING
Cost, $200,000.
VALLEJO, Solano Co., Cal. Sonoma & Virginia Streets.
Six-story and basement Class "C" hotel and store building, 75x130 (130 rooms).
Owner—Admiral Hotel.
Architects—Heller & Wilson, 1st Nat'l. Bank Bldg., San Francisco.

## POWER PLANTS.

SEATTLE, Wash.—On a cost plus fee basis, 30% plus or minus, the contract for the construction of the third unit of the Lake Union Steam Plant for the City of Seattle, was awarded to the Hurley-Mason Co., Lowman Bldg., Seattle.

## PUBLIC BUILDINGS.

Plans Being Figured. Bids Close July 7, 10:30 A. M.
DORMITORY. Cost, $40,000
SALEM, Ore.
Two-story and base, brick dormitory for school of feeble minded (50x100).
Owner—State of Oregon.
Architect—W. C. Knighton, U. S. Bank Bldg., Portland, Ore.
Bids for plumbing, heating, marble and tile work will be taken at a later date.

Completing Plans.
DAIRY BLDG. Cost, $50,000
DAVIS, Yolo Co., Cal.
One-story reinforced concrete and hollow tile dairy building.
Owner—University of California.
Architect—Wm. C. Hays, 1st National Bank Bldg., San Francisco.

FRESNO, Fresno Co., Cal.—Steps are being taken by members of the American Legion to urge the calling of an election to vote bonds with which to finance construction of a county memorial building for veterans of the world war.

LOS ANGELES, Cal.—Plans have been completed in the office of the State Department of Engineering, Sacramento, for a one-story, 6-room frame and plaster school building to be erected at the California School for Girls at Ventura.

Plans are also completed for a one-story concrete, frame and plaster administration patients' building to be erected on Pacific Colony site at Pomona. The building will be 40x300 ft. in size and will contain administrative offices, and quarters for forty patients.

Construction work will be by day labor under the supervision of H. E. Mackie of the State Engineering Department, 228 Union League Bldg., Los Angeles.

Contract Awarded.
ADMINISTRATION BLDG.
Cost, $139,300
CARSON CITY, Nevada. State Hospital Grounds.
Two-story reinforced concrete Administration Building.
Owner—State of Nevada.
Architect—F. J. DeLongchamps, State Architect, Gazette Bldg., Reno, Nevada.

Contractor—Howard S. Williams, Hearst Bldg., San Francisco.

W. C. Gill at $4,547 was awarded the contract for electric work.

The bids for heating and plumbing were rejected and specifications ordered revised. The low bid for this work was submitted by Chas. Wara at $8,284. New bids will be taken for this work.

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Plans Being Figured. Bids Close July 15th, 10 A. M.
BUILDINGS Cost, $——
STOCKTON, San Joaquin Co., Cal.
Construction of from one to five cattle buildings, one or more hog buildings and a pump house, for furnishing and installing iron pipe for a water system, furnishing and installing toilets and urinals and installing a sewer system at Agricultural Park for exposition purposes.
Owner—County of San Joaquin, Eugene D. Graham, County Clerk, Stockton, Cal.
Architects—Wright & Satterlee, Stockton, Cal.
Certified check for 10% payable to Chairman of Board of Supervisors required. Plans may be had from the office of the architect or the office of the County Clerk.

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Plans Being Figured. Bids Close June 28th, 8 P. M.
ALTERATIONS Cost, $——
RENO, Nevada.
Remodeling City Hall basement for rest room and building convenience station in city park.
Owner—City of Reno, J. E. Sullivan, City Clerk, Reno, Nev.
Architect—Not Given.

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Plans Being Figured. Bids Close July 26th, 10 A. M.
REPAIRS Cost, $——
EUREKA, Eureka County, Nevada.
Repair brick work, etc., on County Court House, Jail and FireHouse, also separate bids will be received for painting and repairing same.
Owner—County of Eureka, R. McCharles, County Clerk, Eureka, Nevada.
Architect—Not Given.
Specifications may be had from the office of the County Clerk at Eureka, Nevada.

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Plans Being Prepared.
ALTERATIONS Cost, $——
SAN FRANCISCO. Seventh and Harrison Streets.
Alterations to club house at South Side Playgrounds.
Owner—City of San Francisco.
Architect—Bureau of Architecture, 2nd Floor, City Hall, San Francisco.

## RESIDENCES.

Contract Awarded.
RESIDENCE Cost, $40,000
LOS ANGELES, Cal. No. 415 South Windsor Blvd.
Two-story and basement frame and plaster residence, 13 rooms and 3 bathrooms, garage with living apts
Owner—J. L. Byrne.
Architect—Frank L. Meline, 6777 Hollywood Blvd., Los Angeles.

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Figures Being Taken From Selected Contractors.
RESIDENCE & GARAGE. Cost, $70,000
SAN FRANCISCO. NE Vallejo and Baker Streets.
Two-story and basement reinforced concrete residence and garage (15 rooms and 4 bathrooms).
Owner—E. L. Hueter, Flatiron Bldg., San Francisco.
Architects—Louis M. Upton and Milton Latham, 454 Montgomery St., San Francisco.
NOTE—Figures are being taken for only a portion of the building (servants quarters, etc.; omitting interior finish of ballroom, lounging, dining and music rooms, etc.).
The concrete work is complete up to the first floor.

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Contract Awarded.
RESIDENCE AND GARAGE Cost, $16,000.
HILLSBOROUGH, San Mateo, Co., Cal.
Two-story frame and plaster residence and separate garage (8 or 9 rooms).
Owner—E. T. Tobin.
Architect—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—W. C. Duncan & Co., Sharon Bldg., San Francisco.

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Contract Awarded.
RESIDENCE AND GARAGE Cost, $20,000.
HILLSBOROUGH, San Mateo Co., Cal.
Two-story frame and plaster residence and separate garage (10 rooms).
Owner—M. S. Woods, 1109 N El Dorado St., Stockton.
Architect—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—W. C. Duncan, Sharon Bldg., San Francisco.

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Plans Being Prepared.
RESIDENCE Cost, $12,000
GUSTINE, Merced Co., Cal.
Two-story frame and stucco residence, garage and tankhouse.
Owner—C. Wetmuth, Gustine, Cal.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

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Plans Being Prepared.
BUNGALOW Cost, $7,000
LODI, San Joaquin Co., Cal. Near Lodi.
One and one-half-story frame bungalow.
Owner—Withheld.
Architect—Ralph P. Morrell, I. O. O. F. Bldg., Stockton.

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Contract Awarded.
BUNGALOW Cost, $315'
REDWOOD CITY, San Mateo Co., Cal Redwood Highlands.
Frame bungalow.
Owner—Arthur B. Cintl.
Architect—Not Given.
Contractor—John W. Rutherford, Redwood City.

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Contract Awarded.
RESIDENCE Cost, $5,750
SAN CARLOS, San Mateo Co., Cal. Blk. 17, San Carlos.
Two-story frame residence.
Owner—Wm. C. McElroy and wife.
Architect—Not Given.
Contractor—Floyd L. Baird, 1334 Roosevelt St., Redwood City.

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Plans Being Prepared.
RESIDENCE Cost, $25,000
LOS ANGELES, Cal. Lucerne Blvd. Bet. 4th and 5th Streets.
Two-story and basement frame, brick and plaster residence (10 rooms and 3 bathrooms) also garage for 2 machines.
Owner—M. L. Housemen.
Architect—G. A. Howard Jr., 820 Story Bldg., Los Angeles.

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Plans Being Figured.
DWELLING Cost, $6,500
PIEDMONT, Alameda Co., Cal. Rose Avenue.
One-story frame and plaster dwelling and garage (5 rooms).
Owner—Carl Warnecke.
Architects—Miller & Warnecke, Perry Bldg., Oakland.

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Contractors Taking Sub-figures.
RESIDENCE Cost, $40,000
SAN FRANCISCO. N Broadway 172-6 E Buchanan Street.
Three-story and basemnt frame residence.
Owner—Mrs. Vernon Skewes-Cox, 350 California St., San Francisco.
Architects—Bakewell & Brown, 251 Kearny St., San Francisco.
Contractor—Geo. Wagner, 251 Kearny St., San Francisco.

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To Be Done by Day's Work.
RESIDENCE Cost, $8,000 each
SAN FRANCISCO. E Thirtieth Ave. 81 to 184 S Lake.
Five two-story and basement frame residences.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.

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Building Permit Granted.
RESIDENCE Cost, $8,000
MODESTO, Stanislaus Co., Cal. Lots 2 and 3 Morris Tract.
Two-story frame residence
Owner—Mrs. E. Stoner, Hughson, Cal.
Architect—Not Given.

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Contract Awarded.
COTTAGES Cost, $254,000 approximately.
SAN FRANCISCO. Ocean Avenue bet. Faxon and Ashton Avenues.
Nine frame cottages (1st unit).
Owner—Pacific Hebrew Orphan Asylum and Home Society.
Architect—Alfred Henry Jacobs, 110 Sutter St., San Francisco.
Contractor—Ira W. Coburn, 180 Jessie St., San Francisco.
NOTE:—This contract is for carpentry work only. The other contracts will be awarded in a day or so.

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Plans Being Figured.
RESIDENCE Cost, $7,500
SAN FRANCISCO. Westwood Drive.
One-story and basement frame and plaster residence (7 rooms and garage).
Owner—Mr. J. E. Poole.
Architect—Miss Ida McCain, 318 Kearny St., San Francisco.

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Preliminary Plans Being Prepared.
RESIDENCE AND GARAGE Cost, $11,000.
PIEDMONT, Alameda Co., Cal.
Two-story frame and plaster residence and garage.
Owner—Withheld for Present.
Architect—Chas. W. McCall, Central Bank Bldg., Oakland.

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Figures to be Taken Next Week.
RESIDENCE Cost, $9,000
SAN FRANCISCO. Forest Hill.
One-story and basement frame and plaster residence (9 rooms and separate garage).
Owner—Geo. Geoppert Jr.
Architects—Mat. O'Brien and E. H. Hilderbrand, 68 Post St., San Francisco

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Plans Being Figured.
RESIDENCE Cost, $15,000
MT. VIEW, Santa Clara Co., Cal.
Two-story frame residence.
Owner—Mrs. J. L. Gould, Mt. Eden.
Architect—Warren Skillings, Garden City Bank Bldg., San Jose.

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Preliminary Figures Being Taken.
RESIDENCE Cost, $50,000
SAN FRANCISCO. Sea Cliff.
Two-story and basement frame residence (11 rooms and quarters for 4 servants, ball room, 24x45).
Owner—H. C. Ilse.
Architect—D. J. Patterson, 46 Kearny St., San Francisco.
NOTE:—There will be a formal Italian garden as an entrance, of terra cotta or cement

## SCHOOLS.

Contract Awarded on a Percentage Basis.
COLLEGE BLDGS. Cost, $——
POMONA, Los Angeles Co., Cal.
Two and three-story and basement reinforced concrete college building (3rd unit of dormitory).
Owner—Pomona College.
Architects—Jas. P. Jamieson and Geo. Spearl of St. Louis.
Supervising Architect—Robert H. Orr, 1301 Van Nuys Bldg., Los Angeles.
Contractor—Fred L. Somers, 2650 Santa Fe Ave., Los Angeles.

MADERA, Madera Co., Cal.—Up to July 12th, bids will be received by George Shedd, Clerk of the Madera Union High School District, for furnishing and installing the following equipment in the Madera Union High School:

Two units of back to back lockers, 15"x15"x12," 5 tiers high, wall type, a total of 140 lockers.

All lockers to be Medart No. 355 or No. 356 or equal, equipped with combination lock No. 104 as shown in the Medart catalog.

Prices to be f. o. b. Madera, Cal. Delivery to be made by September 1, 1920.

FRESNO, Fresno Co., Cal.—The Sisters of the Holy Cross have purchased the Chas. G. Bonner property in Logan avenue, about 8 miles east of Fresno, on which it is planned to erect a girls' school, lay out campus, construct swimming pool, tennis courts, etc. In addition to the main school building a number of smaller structures will be provided for including a chapel. The Sisters of the Holy Cross are in charge of St. Augustine's Academy at Mariposa and R Sts., Fresno.

Preliminary Plans Being Prepared.
SCHOOL Cost, $32,000
McKINLEY SCHOOL DISTRICT, Fresno, Cal.
Four-room and assembly hall school building.
Owner—McKinley School District.
Architects—Swartz & Ryland, Rowell Bldg., Fresno, Cal.

KELSEYVILLE, Lake Co., Cal.—Bonds of $20,000 have been voted to finance construction of an addition to the present grammar school building in Supervisorial District No. 5.

Plans Being Prepared.
SCHOOL BLDGS. Cost, $——
TURLOCK, Stanislaus Co., Cal.
One and two-story reinforced concrete and brick high school buildings (2d unit).
Owner—Turlock Union High School District.
Architect—W. H. Weeks, 75 Post St., San Francisco.
NOTE:—Construction will not be started for several months.

MOORPARK, Ventura, Co., Cal.—Edwards, Wildey & Dixon Co., 515 Black Bldg., Los Angeles, have been awarded the general contract at $68,730 for the erection of a new high school building at Moorpark, Ventura County. Mott M. Marston, 535 I. W. Hellman Bldg., Los Angeles, is the architect. The contract was awarded on the original bid of $70,000 with deductions for substituting pine for reinforced concrete stairways and omitting the sewage disposal system. The bids on the plumbing, heating and electric wiring contracts were rejected and the work will be readvertised under revised specifications.

SANTA CLARA, Santa Clara Co., Cal.—The City Trustees have purchased the Lorigan Block on which it is planned to erect a new high school building. The land is bounded by Main, Market, Jackson and Bellomy streets.

Architect W. H. Weeks, 75 Post St., San Francisco, has been commissioned to prepare a survey covering the school situation in this city.

Plans Being Figured. Bids Close July 7th, 2 P. M.
SCHOOL Cost, $——
CORCORAN, Kings Co., Cal. Letts Avenue, Blocks 83 and 84.
Erection and completion of eight-room school, including electric wiring and painting, etc. Separate bids wanted for heating and plumbing.
Owner—Corcoran School District, Mrs. Lotta C. Brown, Clerk, Corcoran.
Architects—M. P. Renfro and W. D. Lee, Porterville.
Certified check for 5% payable to District required. Plans may be had from office of architects.

Contract Awarded.
GYMNASIUM Cost, $28,000
FORTUNA, Humboldt Co., Cal.
One-story frame gymnasium building for high school.
Owner—Fortuna High School District.
Architect—F. T. Georgeson, 4th and E Sts., Eureka, Cal.
Contractor—N. E. Baldry, Fortuna, Cal.

FAIRFIELD, Solano Co., Cal.—Up to July 6th, bids will be received by the Solano County Supervisors for the purchase of the $250,000 bond issue of the Vallejo High School District and the $250,000 issue of the Vallejo Grammar School District.

Proceeds of the sale will finance construction of new buildings, plans for which are being prepared by Architect W. H. Weeks, 75 Post St., San Francisco, and Architects Perry and Clark of Vallejo. This is the second call for bids on the bonds.

Contract Awarded
ADDITION Cost, $——
CAMPBELL, Santa Clara Co., Cal. Cambrian School District.
One-story frame metal, lath and plaster two-room addition to school.
Owner—Cambrian School District, F. E. Duncan, Clerk, Campbell, Cal.
Architects—Higbie & Hill, Porter Bldg., San Jose, Cal.
Contractor—C. F. Keesling, 361 Coe Ave., San Jose.

Plans Being Figured. Bids Close July 9, 1920, 4 P M.
HEATING APPARATUS Cost, $——
CUPERTINO, Santa Clara Co., Cal. Stevens Creek Rd. near Cupertino.
Complete installation of low pressure steam heating apparatus in Cupertino School Building.
Owner—Cupertino School District, Warren E. Hyde, Secretary, Cupertino, Cal.
Architect—Chas. S. McKenzie, Bank of San Jose Bldg., San Jose, Cal.
Certified Check for 5% required. Plans may be seen at the office of the architect.

FULLERTON, Orange Co., Cal.—Bonds in the sum of $240,000 were voted June 17 by the Fullerton School District for the erection of new school buildings. Norman F. Marsh, 210 Broadway Central Bldg., has been selected as architect for one of the buildings and will prepare the plans and specifications at once.

Completing Plans—Figures to be Taken Shortly.
SCHOOL Cost, $65,000
KINGSBURG, Fresno Co., Cal.
Two-story reinforced concrete grammar school.
Owner—Kingsburg Grammar School District.
Designer—Anton Johnson, Kingsburg.

Plans Approved. Bids To Be Called For Next Week.
ADDITION Cost, $25,000
OAKLAND, 38th Ave. and Penniman St.
Addition of classrooms to Allendale School.
Owner—City of Oakland.
Architect—Arthur S. Bugbee, Sharon Bldg., San Francisco.

BAKERSFIELD, Kern Co., Cal.—No bids were received by the County Supervisors for the purchase of school bond issues as follows: Midway School District, $100,000; Olig School District, $75,000, and Maple School District, $10,000. Proceeds of the sale were to finance construction of school improvements.

Contract Awarded.
ALTERATIONS, ETC. Cost, $33,900
BERKELEY, Alameda Co., Cal. SE Dana and Channing.
Three-story frame annex to Sunday School and alterations and additions to church.
Owner—Trustees of First Presbyterian Church.
Architect—Geo. Rushforth, 2321 Blake St., Berkeley and 354 Pine St., San Francisco.
Contractor—Geo. E. Burlingame, 2736 Russell St., Berkeley.

Contract Awarded.
ADDITION Cost, $39,797
OAKLAND, Alameda Co., Cal. Market and 54th Streets.
Class "C" addition to school.
Owner—City of Oakland.
Architect—Construction Dept. of Board of Education (C. W. Dickey in charge), Everson Bldg., Oakland.
Contractor—Alfred Olson, Everson Bldg., Oakland.

Contract Awarded.
ADDITION Cost, $25,762
OAKLAND, Alameda Co., Cal. Piedmont and Echo Avenues (Piedmont Avenue School).
Addition to school.
Owner—City of Oakland.
Architect—Construction Dept. of Board of Education (C. W. Dickey in Charge), Everson Bldg., Oakland.
Contractor—C. D. Vezey, 1531 Alcatraz Ave., Berkeley.

CHICO, Butte Co., Cal.—The Board of Education has authorized the expenditure of $15,000 for the completion of four unfinished rooms in the Oakdale School building. The funds, to finance the work, will be raised through a direct tax.

Contract Awarded
SUNDAY SCHOOL Cost, $46,000
SEATTLE, Wash. East 47th St. and 15th Ave., NE.
Three-story and basement masonry Sunday School, 85x48.
Owner—University Presbyterian Church.
Architect—Harold O. Sexsmith, University of Washington, Department of Architecture.
Contractor—Walter & Brady, Seattle Nat'l. Bank Bldg., Seattle.
NOTE:—Contract does not include plumbing, wiring, etc.

MODESTO, Stanislaus Co., Cal.—No bids were received by the County Supervisors, Hugh Benson, Clerk, for the purchase of the $21,000 bond issue of the Waterford School District and the $15,000 issue of the Fairview District. Proceeds of the sales were to finance construction of new school buildings. Efforts will be made to dispose of the bonds through a private sale.

LIVE OAK, Sutter Co., Cal.—July 14th is the date set to decide the question of issuing and selling bonds of $100,000 with which to finance construction of a new high school building.

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Plans Being Figured. Bids Close July 10th, 12 M.
PAINTING SCHOOL Cost, $——
MILL VALLEY, Marin Co., Cal.
Painting Tamalpais Park School.
Owner—Mill Valley School District, Mrs. Edna N. Boland, Clerk, Mill Valley, Cal.
Architect—None.
Specifications may be had from Carl Symonds, Trustee of District at Mill Valley.

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Plans Being Prepared.
SCHOOL Cost, $40,000
LAUREL, Orange Co., Cal. Laurel School District.
Brick or hollow tile school.
Owner—Laurel School District.
Architect—G. A. Howard Jr., 820 Story Bldg., Los Angeles.
NOTE:—Bonds have been sold.

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SANTA CRUZ, Santa Cruz Co., Cal.—Following bids were received by J. W. Linscott, Superintendent of Schools, for (a) an addition to the Laurel Primary School and (b) for a manual training building for that structure:
Geo. W. Reid, 74 Locust St., Santa Cruz (a) $3,605.75; (b) $3,455.25.
Daone & Powers, Santa Cruz (a) $4,-230.40; (b) $3,426.40.
Hamilton & Church, 383 Ocean St., Santa Cruz (a) $4,206; (b) $3,675.
Bids were taken under advisement until June 24th.
Plans for the work were prepared by Collins & Byrne, New Theatre Bldg., Santa Cruz.

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Plans Being Figured. Blds Close July 7th.
FINISHING CLASS ROOMS.
$15,000 available for work.
CHICO, Butte Co., Cal.
Finishing four uncompleted class rooms of Oakdale School Building.
Owner—City of Chico, Chas. H. Camper, Secretary Board of Education, Chico, Cal.
Architect—Chester Cole, Waterland-Breslauer Bldg., Chico, Cal.

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Bids Close July 6th, 8 P. M.
SCHOOLS Cost, $——
BAKERSFIELD, Kern Co., Cal.
Erection and completion of two frame class-room school buildings.
Owner—Kern County Union High School District, W. J. Walters, Clerk, Bakersfield, Cal.
Architect—Chas. H. Biggar, Morgan Bldg., Bakersfield, Cal.
Certified check for 10% payable to Kern County High School District required. Plans may be had from office of architect.

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Contract Awarded.
SCHOOL Cost, $52,704
AUBURN, Washington.
One and two-story masonry school (12 class rooms, auditorium and gymnasium, 136x66).
Owner—Auburn School District.
Architect—Wm. Mallis, Lyon Bldg., Seattle, Wash.
Contractor—Emil Pohl, Seattle, Wash.
Ernest & Wolff, Seattle, awarded the heating at $7,393; plumbing to Wm. B. Coffee & Co., of Tacoma, at $4,169.

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Plans Being Prepared.
SCHOOL Cost, $80,000
OMAK, Washington.
Two-story brick and terra cotta high school (16 class rooms, auditorium and gymnasium.)
Owner—Omak High School District.
Architects—Harry H. James, Seattle and Richard V. Gough, Okanogan, Wash., Associated.

Plans Being Figured. Bids Close July 6th, 8 P. M.
SCHOOL Cost, $——
SAUSALITO, Marin Co., Cal.
Frame school building.
Owner—Sausalito School District, F. D. Linsley, Clerk, Sausalito, Cal.
Architect—Not Given.
Certified check for 10% payable to Clerk required. Deposit of $5.00 required for plans obtainable from Clerk at Sausalito.

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Plans Being Figured. Bids Close July 6th, 7:30 P. M.
Bids Close July 6th, 7:30 P. M.
ALTERATIONS Cost, $——
SALINAS, Monterey Co., Cal.
For erection and completion of certain toilet buildings for the East End and West End Schools.
Owner—Salinas City Board of Education, Arthur Walter, Secretary, Salinas, Cal.
Architect—W. H. Weeks, 75 Post St., San Francisco.
Certified check for 10% payable to Clerk required with each bid. Plans may be seen at office of architect or superintendent of West End School at Salinas.

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Plans Being Figured. Bids Close July 10, 10 A. M.
SCHOOL Cost, $——
POZO, San Luis Obispo Co., Cal.
Construction of Pozo school building.
Owner—Pozo School District, Geo. A. Philbrick, Clerk, Pozo, Cal.
Architect—Not Given.
Certified check of 5% required, payable to President of Board of Trustees of Pozo School District. Plans may be had from the Clerk at Pozo or from the office of the County Superintendent of Schools at San Luis Obispo, Cal.

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ELMWOOD, San Joaquin Co., Cal.—Preliminary steps are being taken in the Elmwood School District, four and one half miles east of Stockton, to call an election to vote bonds of $11,-500 to finance construction of a new school building.

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FOLSOM, Sacramento, Co., Cal.—A petition will be presented in the near future to the County Supervisors asking the formation of a high school district in the town of Folsom. Six school districts are in favor of merging. After formation, the District will call an election to vote bonds with which to finance construction of a new high school.

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Contract Awarded.
ADDITION Cost, $40,000
DINUBA, Tulare Co., Cal.
Addition to school.
Owner—El Monte Grammar School District.
Architect—Glass & Butner, Cory Bldg., Fresno.
Contractor—R. Pedersen, 446 Clark St., Fresno.

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SAN FRANCISCO — Anderson & Ringrose, who have the contract for the general construction of the Excelsior and Grant Schools have awarded sub-contracts as follows:
Painting Grant and Excelsior Schools to H. Ankers; plumbing and heating in Excelsior School to E. Lacy.

## STORES AND OFFICES.

Plans Being Figured.
MARKET BLDG. Cost, $50,000
SAN FRANCISCO. Mason Street.
One-story and basement Class "C" market building.
Owner—Withheld.
Architect—Smith O'Brien, Bankers Investment Bldg., San Francisco.

NOTE: Figures are being taken for a general contract except plumbing, heating and wiring.

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Sub-Contracts Awarded.
AUTO SALES BLDG. Cost, $600,000
SAN FRANCISCO. NE O'Farrell Street and Van Ness Avenue.
Seven-story and basement reinforced concrete auto sales building.
Owner—Don Lee (Cadillac Motor Cars) 1601 Van Ness Ave., San Francisco.
Architects—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
**Terra cotta** to N. Clark & Son.
**Elevators** to Otis Elevator Co.
**Electric wiring** to H. S. Tittle.
**Reinforcing bars** to Edw. L. Soule.

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Contract Awarded.
STORE AND OFFICES Cost, $35,000
LOS ANGELES, Cal. Western and Oakwood Avenues.
Two-story brick store and office building, 80x80 (4 stores and 24 rooms).
Owner—Messrs. Cohn & Newman.
Architects—W. C. Pennell and L. A Smith, 204 Investment Bldg., Los Angeles.
Contractor—The Lilly-Fletcher Co., 124 S-Western Ave., Los Angeles.

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Contract Awarded.
ALTERATIONS Cost, $5.000
MODESTO, Stanislaus Co., Cal. No. 902 I Street.
Alterations for show rooms.
Owner—Johnston-Wherry Furniture Co., Premises.
Architects and Supt. of Construction—Weiland, Mauzaret & Weiland, Modesto.

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Preliminary Estimates Being Prepared.
CLASS "A" BLDG. Cost, $1,000,000 or more.
SAN FRANCISCO. Main and Market Streets.
Fifteen-story Class "A" office building.
Owner—Matson Navigation Co.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.

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Figures to be Called For in About a Week for Concrete Work, Plumbing, Heating, Etc.
OFFICE BLDG. Cost, $700,000
SAN FRANCISCO. SW Bush and Montgomery Streets.
Fifteen-story Class "A" office building.
Owner—Crocker Estate.
Architect—Lewis P. Hobart, Crocker Bldg., San Francisco.

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Sub-Figures to be Taken Shortly.
STORE Cost, $5,000
SAN FRANCISCO. S Bush St. 167-6 E Larkin Street.
One-story reinforced concrete store
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architects—Rousseau & Rousseau 110 Sutter St., San Francisco.

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Plans Ready for Figures July 1st.
OFFICES Cost, $90,000
HOQUIAM, Wasnington.
Two-story and basement brick and terra cotta offices.
Owner—Poulson Logging Co., Hoquiam Wash.
Architects—Bebb & Gould, Securities Bldg., Seattle, Wash.

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Figures Being Taken For Concrete Work
STORE Cost, $.6000
SAN FRANCISCO. N Eddy Street 112-6 E Hyde Street.
One-story reinforced concrete store.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.

Commissioned to Prepare Plans.
CANDY STORE Cost, $——
SAN FRANCISCO. N Post bet. Powell and Stockton, 37-6x137-6.
Two-story Class "A" candy store and luncheon rooms with glassed roof garden.
Owner—The Angelus Candy Co. (I. C. Ackerman, S. Harris, A. C. Blumentral, Chas. Brown, I. Prager, et al).
Architects—Reid Bros., 105 Montgomery St., San Francisco.

Sub-Figures Being Taken and Contracts Awarded.
STORES Cost, $15,000
SAN FRANCISCO. N Post Street 112-6 E Leavenworth Street.
One-story brick stores.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architects—Rousseau & Rousseau, 110 Sutter St., San Francisco.
**Electric Work** to American Elec. Co., 612 Howard St.
**Iron Work** to Pacific Structural Iron Works, 370 10th St.
**Plumbing** to Thos. Skelly, 660 Precita Ave.
**Lumber** to Loop Lumber Co.

Preliminary Plans Being Prepared.
OFFICE BLDG. Cost, $——
SEATTLE, Wash. SW Fourth Avenue and Seneca Street.
Ten-story and basement concrete and steel office building.
Owner—Otto H. Wolf and D. H. King.
Architect—Harry H. James, American

Sub-Contracts Awarded.
CLASS "A" OFFICE BLDG.
Cost, $4,000,000 approximately.
SAN FRANCISCO. SW Bush and Sansome Streets.
Twenty-story and basement Class "A" office building.
Owner—Standard Oil Co.
Architect—Geo. Wm. Kelham, Sharon Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
The following sub-contracts have been awarded:
**Reinforcing steel** to Pacific Coast Steel Company.
**Plumbing** to Frederick W. Snook Co.
**Roofing** to Bender Roofing Co.
**Painting** to N. J. Neal.
**Wiring** to H. C. Reid.
**Glass** to W. P. Fuller & Co.
**Inspection** to R. E. Noble.

Plans Being Figured.
ALTERATIONS Cost, $100,000
MODESTO, Stanislaus Co., Cal. SE Tenth and I Streets.
Extensive alterations to three-story brick bank and office building, remodel interior of offices, install new banking quarters in first floor.
Owner—The Modesto Bank, 1001 I St., Modesto, Cal.
Architect—H. H. Winner, Humboldt Bank Bldg., San Francisco.

## THEATRES.

Preliminary Plans Being Prepared.
THEATRE Cost, $350,000
FRESNO, Fresno Co., Cal.
CLASS "A" theatre and office building, 2500 seats.
Owner—Lowe's Inc.
Architects—Weeks & Day, Phelan Bldg., San Francisco.

Plans Being Prepared.
REDECORATE INTERIOR
Cost, $10,000.
OAKLAND. Broadway near 14th St.
Redecorate interior of Ye Liberty theatre.
Owner—Ye Liberty Theatre Co.
Architect—Hamilton Murdock, Syndicate Bldg., Oakland.

Working Drawings Being Prepared.
THEATRE Cost, $1,000,000
SAN FRANCISCO. NE Post and Powell Streets.
Class "A" theatre and stores 3000 seats.
Owner—Ackerman & Harris (A. C. Blumenthal, Representative).
Architects—Reid Bros., 105 Montgomery St., San Francisco.
Construction will be started in about 90 days.

Contracts Awarded.
ALTERATIONS Cost, $38,736
SOUTH BERKELEY, Alameda Co., Cal. Adeline Street (Lorin Theatre).
Extensive alterations and additions to brick and concrete motion picture theatre.
Owner—Beach & Krahn Amusement Company.
Architect—Jas. W. Plachek, 2014 Shattuck Ave., Berkeley.
Contractor—C. D. Vezey, 1531 Alcatraz Ave., Oakland.
**Heating** to J. Collins, Berkeley, $2390.
**Electric Work** to B. C. White, 2034 Center St., Berkeley, $1385.

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## S. F. C. OF C. TO INDUCE FACTORIES TO LOCATE HERE

The industrial department of the San Francisco Chamber of Commerce has received information from the executives of three prominent rubber and tire manufacturing concerns who are contemplating locating factories on the Pacific Coast that San Francisco will receive every consideration. The president of one of the companies has, in fact, expressed a strong preference for this city. In each case the positive assurance is given that San Francisco shall have every opportunity to present her claims.

The Chamber's industrial department is making every effort to bring these factories to the San Francisco district. No decision has been made in favor of any other coast city, and it is hoped that the superior advantages of the San Francisco district will be so clearly shown as to prompt all of the concerns to locate their factories here.

# Engineering.

## BRIDGES, DAMS & HARBOR WORK.

FLORENCE, Ariz.—All bids received June 7 for furnishing plans and erecting two reinforced concrete 140-ft. span bridges across Mineral creek on Ray-McKelvin highway were rejected. Topeka Bridge & Construction Co. of Topeka, Kansas, bid $50,000, and English & Pierce of Yuma, bid $56,600. W. W. Lane, County Highway Engineer.

MARTINEZ, Contra Costa Co., Cal.—The Chamber of Commerce has authorized the appointment of an engineer to submit a report for constructing a bulkhead on the municipal waterfront.

PLACERVILLE, El Dorado Co., Cal. The County Supervisors have ordered the construction of a new bridge across Webber creek, on the Big Cut road. Construction will begin as soon as funds are available.
Arthur J. Koletzke is County Clerk.

SAN DIEGO, Cal.—The City Treasurer has advanced $380,000 on Barrett dam bonds to permit work on the dam to go ahead without interruption.

EL CENTRO, Imperial Co., Cal.—The Imperial Valley Irrigation District has entered into an agreement with Yuma water users for constructing a brush weir in Colorado river below Hanlon heading over the old rock weir, this year and next.

MODESTO, Stanislaus Co., Cal—The Board of Supervisors have instructed the County Surveyor, J. H. Hoskins, to prepare plans and specifications for a concrete bridge over the Stanislaus River at Burney ferry near Riverbank. San Joaquin County will pay half the cost. The structure is estimated to cost $50,000.

LOS ANGELES, Cal.—The board of harbor commissioners has approved an expenditure of $246,000 out of the last bond issue for bulkheads, tracks, sheds, water mains and necessary construction work for the improvement of the east side Slip No. 5 on which the Vegetable Oil Products Co. will erect a large plant. A bulkhead of riprap and cement top will also be built to hold the dredged material to be deposited on a 200x120 ft. site at Fish Harbor, the bulkhead being estimated to cost $32,000. City Engineer Griffin as chief harbor engineer, was instructed to begin work on these projects at once by force account.

FRESNO, Fresno, Co., Cal.—Jap E. Mitchell of Fresno, was awarded the contract at $51,900 for constructing 25 bridges on Route 1, Sec. C, county highway, involving 16,550 lin. ft. cedar piling, 236,218 board ft. fir timbers 27.72 cu. yds, concrete, and 120 ft. 24-in. concrete pipe. Thompson Bros. bid $54,500. Engineer's estimate $52,820. Chris Jensen is County engineer.

MADERA, Madera Co., Cal.—Up to July 9th, 10:30 A. M., bids will be received by T. J. Cronin, Secretary of the Tri-County Tubercular Hospital Committee, at the office of the Board of Supervisors in Madera, for the construction of a concrete reservoir for the Tri-County Tubercular hospital at Ahwahnee, Madera County. Specifications may be obtained from the Clerk of the Board of Supervisors at Madera. Certified check 10% payable to Chairman of the Hospital Committee required.

STOCKTON, San Joaquin Co., Calif.—City Engineer W. B. Hogan has been instructed by the City Council, A. L. Banks, Clerk, to prepare plans and specifications for a number of sheds on the Municipal waterfront. Approximately $25,000 will be spent in construction.

The Council is also considering the erection of fences and gates for the new sheds but this portion of the work will not be ordered until the contract for the sheds are under way. Approximately $50,000 is available for harbor improvements.

The construction of conveyors across Webber Channel from the second floor of the Sperry Flour Mills, to the double deck shed on the wharf was discussed by the Council, but not definite action was taken.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Attorney has been instructed by the City Council to prepare a resolution calling an election to vote bonds with which to finance the construction of concrete bridges at Soquel Ave. and Barson St. The papers will be ready for adoption at the July 6th meeting. S. A. Evans is City Clerk.

MODESTO, Stanislaus Co., Cal.—F. C. Herrmann, former chief engineer of the Modesto irrigation district, and A. J. Wiley, the present consulting engineer of the big Don Pedro project, have been employed as consulting engineers for the north unit of the Des Chutes irrigation project in eastern Oregon. This district will comprise 100,000 acres, and the work that Messrs. Herrmann and Wiley will be engaged on includes the building of a dam that will impound 400,000 acre feet of water. It is expected that between five and seven million dollars will be spent on the project.

NAPA, Napa Co., Cal.—Up to July 2nd, 10 A. M., bids will be received by James A. Daly, County Clerk, for the following improvements:

Extension of an eight-foot stone arch culvert across Trancas Avenue and a new ten by five-foot reinforced concrete box culvert across Lincoln Avenue at the entrance to the Cornwall Tract.

New fifteen-foot reinforced concrete bridge on First Avenue near the Elicker ranch.

New fifteen-foot reinforced concrete bridge on Loma Heights road, near Mt. George Farm Center Club House.

New eight by four foot reinforced concrete box culvert near Pueblo Ave., near the Walling slaughterhouse.

New six by three foot reinforced concrete box culvert on Yajome street, north of Central Avenue.

New five by three foot reinforced concrete box culvert on F street extension near the Hammond place.

New four by two foot reinforced concrete box culvert in Jameson Canyon near the Polson ranch.

New six by two foot reinforced concrete box culvert on the road from American Canyon to Flosden.

Concrete head walls to be placed on pipes at the Cunningham corner near Union Station and on Pueblo Avenue near the Jasper place.

New forty-eight foot reinforced concrete bridge over Etiquera Creek on the county road between Monticello and Knoxville at the Foster ranch, existing abutments to be used.

Addition to masonry wing walls of existing bridge on Wooden valley road near the Johnson ranch.

New fifteen-foot reinforced concrete bridge on Conn valley road one-half mile north of Chiles valley road.

New four by five foot reinforced concrete box culvert on Conn valley road two miles north of Chiles valley road.

New fifteen foot reinforced concrete bridge on Butts Canyon road one mile northerly from Pope Creek.

For improvements on the portion of the county road near the western limits of the City of Napa.

For repairing the county road from the Dinning place to the Glauque bridge in Conn Canyon.

Plans may be had from the office of the County Clerk at Napa.

SACRAMENTO, Cal.—Announcement is made by Reclamation District No. 2047, of a project requiring an expenditure of $2,000,000 for drainage and flood control in the Upper Colusa Basin, from plans prepared by Charles de St. Maurice of Colusa. The plan is to facilitate drainage for irrigation water upon the lands of the upper Colusa basin and to furnish a means of egress for surplus flood water during freshets.

District 2,047 comprises a territory 30 miles long and 11½ miles wide on the west side of the Sacramento river, in Glenn and Colusa counties.

A canal, 69.8 miles long, from Jacinto to Knights Landing, will be constructed. It will be 53 feet wide at the bottom, 9 feet deep and 80 feet wide at the top, with a capacity of 1,450 second feet of water.

Work will begin immediately, and it is estimated that the project will be completed in five years.

The cost of construction will be defrayed by assessments.

MADERA, Madera Co., Cal.—Up to July 6th, 10 A. M., bids will be received by W. R. Curtin, County Clerk, for the construction of a timber bridge 34 feet in length, consisting of three spans set on concrete piers and concrete abutments, over Picayune Creek, Fourth Supervisorial District.

Certified check for 10% payable to Chairman of Board of Supervisors required. Plans on file at office of County Clerk.

SUISUN, Solano Co., Cal.—Construction of a community swimming pool is planned here. Merchants and citizens have appointed a committee to secure plans for such a structure, estimated to cost $10,000. Thirty-five hundred dollare is already available for consctruction.

Plans Complete.
SHED Cost, $175,000
SEATTLE, Wash. Smith's Cove.
Two-story frame transit shed for Pier B, 500x130.
Owner—Port of Seattle Commission.
Engineer—Geo. Nicholson, Port of Seattle Commission, Seattle, Wash.

SAN JOSE, Santa Clara Co., Cal.—Up to July 19th, 11 A. M., bids will be received by Henry A. Pfister, County Clerk, for bridge construction as follows:

One reinforced concrete bridge on Watsonville road over Uvas creek in Supervisor Road District No. 1; one reinforced concrete bridge on Story road over Coyote creek in Supervisor Road District No. 2; one reinforced concrete bridge over Stevens creek on the McLellan and the Stevens creek roads in Supervisor District No. 5.

Certified check for 10% payable to County Clerk required. Plans may be had from the office of the County Clerk

CHICO, Butte Co., Cal.—The Chamber of Commerce has prepared a petition for presentation to the City Trustees asking the construction of three permanent bridges: One over Chico creek joining Fourth street with Valambrosia; over Chico creek, joining Rose avenue and North Ivy; over Little Chico at end of Cedar street.

Ira R. Morrison is City Clerk.

UKIAH, Mendocino Co., Cal.—Hale Prather, County Clerk, will receive bids up to July 13th, 10 A. M., for the construction of a concrete culvert and fill over Brown's Gulch in the 2nd Supervisorial District. Plans on file in office of Clerk.

UKIAH, Mendocino Co., Cal.—At the last meeting of the County Supervisors, Hale Prather, Clerk,. a resolution was adopted that the county pay the state highway commission $20,000, in full payment for construction of three bridges across Long Valley creek and one bridge across Outlet creek on the state highway.

SIERRA CITY, Sierra Co., Cal.—Engineers are engaged in making surveys for a series of large storage dams in the North Yuba River, between Sierra City and Indian Valley, the water to be utilized for power purposes.

It is stated that the Yuba Development Company is behind the big project, and it promises to develop into one of the large electric power schemes in California.

Roy Elliott, L. Jorgenson, Fred Farrish and D. J. Sullivan, capitalists of San Francisco and Denver, who are interested in the Yuba Development Company which put in the concrete dam near Bullard's Bar, have made an inspection tour of this entire section.

OROVILLE, Butte Co., Cal.—A satisfactory storage reservoir site for the Oroville-Wyandotte Irrigation District has been located, according to S. J. Norris, Chief Engineer for the district, who states the projected reservoir will impound sufficient water for the irrigation of 40,000 acres of land.

While the exact location of the site has not been divulged by Norris, it is understood here to be upon the South Fork of the Feather River. It is said the whole acreage in the district can easily be watered from the reservoir by gravity flow.

BERKELEY, Alameda Co., Cal.—Filling in work for the first unit of the Pacific port terminal, as planned by Rufus P. Jennings, will be commenced within six months according to George Schmidt, City Commissioner of Public Works.

The fill-in-plans call for construction of the first unit, 1,600 feet from the present short line about 1,000 feet north of University avenue and extending out 13,350 feet on one side and 12,800 feet on the other. It will be 3,000 feet wide and about 3,000 feet within the government pier headline.

LOS ANGELES, Cal.—Plans for the proposed draw-bridges across the west and east channels at Los Angeles harbor have been filed with the U. S. district engineer for approval. A public hearing will be held at the U. S. engineer's office, Central Bldg., on July 26. The bridges will each have 200-ft. span and will be 75 ft. wide. The estimated cost of the bridges is $1,225,000.

SALEM, Ore.—To complete an irrigation project involving an expenditure of $1,250,000, the Rogue River Valley Canal Company, of Medford, has filed with the State Engineer's Office, four applications for permits to appropriate water for the irrigation of 3000 acres.

PARKER, Ariz.—A surveying party headed by Engineer C. A. Engle is doing the preliminary work on a gravity canal system to irrigate 115,000 acres of reservation land. A weir type dam will be built in the Colorado River about a mile north of Parker. Preliminary work is being done under a government appropriation.

MERCED, Merced Co., Cal.—County Engineer A. E. Cowell is completing plans for a concrete bridge on the Montpellier-Snelling road, crossing the Ingalsbe slough near Snelling.

STOCKTON, San Joaquin Co., Cal.—County Engineer F. E. Quail has been instructed to prepare plans and specifications for re-flooring bridges Nos. 1 and 2 on the Jacobs Road.

LONG BEACH, Los Angeles Co., Cal.—The $1,500,000 harbor bonds which the city will be asked to vote will bear interest at 6%. The city has been unable to sell a $75,000 issue of fire bonds at 6%.

## IRRIGATION PROJECTS.

TURLOCK, Stanislaus Co., Cal.—Up to July 12th, bids will be received by Anna Sorensen, Secretary of the Turlock Irrigation District for the purchase of $4,108,000 in bonds to finance improvements in the Turlock Irrigation District.

MANTECA, San Joaquin Co., Cal.—The Directors of the South San Joaquin Irrigation District has instructed the Engineering Department to prepare data for the proposed extension on Drain No. 12 to approximately Lamansey Road.

LOS ALAMITOS—The Thomas Haverty Co., 8th and Maple Ave., Los Angeles, has a contract at about $250,000 for the construction of six miles of 30-in. exhaust pipe line from the plant of the Los Alamitos Sugar Co. to the Pacific Ocean. The pipe line will be of both cement and cast iron.

SAN BERNARDINO, San Bernardino Co., Cal.—Until 9 A. M., July 6, bids will be received by the water commission at 426 Third St. for 5,000 ft. 4-in. Class "C" bell and spigot cast iron water pipe, delivery within 90 days f. o. b. San Bernardino. Certified check for 10% required.

FRESNO, Fresno Co., Cal.—By a vote of six to one the proposition to form the Fresno Irrigation District carried at a recent election. The following directors have been installed:

M. F. Tarpey, E. J. Bullard, W. A. Groves, H. E. Vogel, P. B. Thornton.

James Y. Beveridge, Assessor; Will Sutherland, Tax Collector; John Fairweather, Treasurer.

MADERA, Madera Co., Cal.—F. M. Carter has been appointed resident engineer for the Madera Irrigation District. The appointment was made at the last meeting of the directors.

Thos. H. Means, 58 Sutter street is Chief Engineer for the District.

SAN FRANCISCO.—The following applications were filed with the State Water Commission, Call Building, during the month of May, for permits to appropriate water (number at end of each paragraph is application number and must be had when additional information is wanted).

W. O. Russell, M. H. Stitt, T. R. Lowe, F. G. Burrows and J. L. Haplan, Woodland, for appropriation of 500,000 acre ft., from N. fork of Cache Creek and tributaries, in Lake Co., tributary of Cache Creek, for agricultural purposes. Amount of water to be stored 500,000 ac. ft. Water to be used on 50,000 acres. 1797.

Thomas S. Latta, Gustine, Merced Co., 7 cubic feet per sec. from San Joaquin River, in Fresno County, for agricultural purposes on 320 acres. Water will be diverted by means of sectional board weir 16 by 385 by 385', with steamboat chute, wasteway over weir, into canal 20 miles long. Estimated cost of proposed works $6,500. 1796.

The Beardsley Copper Co., Genesee Plumas County, 2 cu. ft. per sec. from Taylor Lake and Dave's Creek, Plumas County, tributary N. Fork Feather River, for mining purposes. Amount of water to be stored 475 ac. ft. Diversion works consist of main ditch from reservoir 4 miles long and timber crib rock and earth dam 5' by 50', by 50' with wasteway over dam. 1800.

E. R. Dimond, 310 Sansome Street, San Francisco, 30 ac. ft. from E. branch of Dennis Martin Creek, in San Mateo County, tributary Sausal creek, for irrigation of about 150 acres. Amount of water to be stored 30 ac. ft. Diversion works consist of concrete dam 2½' by 25' by 25', with wood flashboards in center and pipe line 2-5 miles long. 1802.

Geo. T. Dunlap, Oakland, 210,000 ac. ft. per annum from Thomas Creek, Tehama Co., tributary of Sacramento River, for irrigation of 70,000 acres. (App. allowed 60 days from May 12, 1920 to complete App.) 1803.

Burton W. Chambers, Alturas, 100 acres ft. per annum from N. fork of Pit River, Drainage Area, for agricultural purposes. (App. allowed 60 das. from May 12-20 to file map.) 1804.

George T. Dunlap, Oakland, 100,000 ac. ft. per annum from Thomas Creek, for power purposes. Amount of water to be stored 100,000 ac. ft. per annum. (App. allowed 60 das. from 5-12-20 to complete app.) 1805.

R. T. Stone, Forest Hill, Placer Co., 5 cu. ft. per sec. each from Page Canyon, Sellier Canyon and Sugar Pine Canyon, and 10 cu. ft. per second from Mt. Chief, Canyon, in Placer County, tributary of North Fork of American River, for power purposes. Amount of power to be developed 300 THP. Water to be used to operate a sawmill and box factory. (App. allowed 90 das. from 5-19-20 to file maps.) 1806.

R. T. Stone, Forest Hill, 5 cu. ft. per second, from Page, Sillier and Sugar Pine Canyon Creek and 10 cu. ft. per sec. from Mt. Chief Canyon Creek, Placer County, tributary to North Fork American River, for agricultural purposes on 3500 ac. Diversion works; Earth dam 6' by 30' by 10' and ditch 15 miles long. 1807

Harry S. Riddell, Olinda, 300 cu. ft. per sec. from Cottonwood Creek and tributaries, Shasta Co., for irrigation of 40,000 acres. Diversion works: Concrete dam 35'x200'x150', with concrete headgate with 4 openings 4'x5' and main ditch 3 miles long. (App. allowed 60 days from 5-13-20 to file map.) 1810.

Earl S. Casey, Brawley, approximately 700 cu. ft. per sec. from Alamo R., Imperial Co., tributary to Salton Sea, for power purposes. Amt. of water to be stored 9104 acre feet. Amt. of power to be developed 1500 THP. Diversion works; Earth and cement dam 35'x300'x250' with flushing gates and waterway on East side, intake and headrace on West side. (Applicant allowed to Nov. 1, 1920, to complete application.) 1813.

Earl S. Casey, Brawley, approximately 700 cu. ft. per sec. from New River for power purposes. Amt. of water to be stored 9540 acre feet. Amount of power to be developed 1500 THP. Water will be diverted over an earth and cement dam 37½'x700'x500'-flushing gates and wasteway on West side, intake and headrace on East side. Estimated cost, $100,000. (Applicant allowed to Nov. 1, 1920 to complete application.) 1814.

W. W. Cunningham, Mono Lake, 2¾ cu. ft. per sec. from Andy Thompson Creek, Mono Co., tributary to Mono Lake, power purposes. (Applicant allowed to 8-1-20 to file maps.) 1816.

Walter O. Crosby & G. C. Estes, Vallejo, 350,000 acre feet, per annum from Cosumnes R., in Amador Co., tributary of Mokelumne River, for irrigation of 100,000 acres. Amount of water to be stored 300,000 acre feet. Water will be diverted by means of a masonry dam 35'x150'x60', and main canal 8 miles long. 1817.

Bridget S. Foley, 4996 Broadway, Oakland, 10 miner's inches from unnamed spring in Monterey Co., tributary of Indian Valley Creek, for agricultural and domestic purposes on 1 acre, 1818; and same applicant, for 10 miner's inches from "Dunlap Spring," Monterey Co., for agricultural and stock raising purposes and domestic use, to be used on 1 acre. 1819.

M. Onodera, Marysville, 400 miner's inches from Snake River, Sutter Co., tributary of Sacramento and Feather Rivers for irrigation for 400 acres of rice. Water to be pumped from river direct into rice land checks. 1820.

Earl S. Casey, Brawley, for entire flow of Almo R., in Imperial Co., tributary of Salton Sea, for power purposes. Amount of water to be stored approximately 7000 acre feet. Amount power to be developed 100 THP. Diversion works. Earth and concrete dam approximately 40'x160'x175'. Estimated cost $100,000. (Applicant allowed to Nov. 1, 1920 to complete.) 1824.

Tom Travis Lane, 205 Russ Bldg., San Francisco, 50 cu. ft. per sec. from Ward Creek, Plumas Co., tributary of Indian Creek, for power purposes. Amount power to be developed 1200 THP. Water will be diverted over loose rock dam 10'x30'x15' with concrete face, wasteway over dam into a pipe line and flume 1¼ miles long. Estimated cost proposed works $25,000. 1825.

Tom Travis Lamb, 205 Russ Bldg., San Francisco, 50 cu. ft. per sec. from Ward Creek, for mining purposes, quartz and placer. Diversion works same as described under Application 1825. 1826.

Pioneer Gold Mines Co., 519 California St., San Francisco, ½ cu. ft. per sec., from Red Paint Creek, Placer Co., tributary of Humbug Creek and North Fork American River, for power purposes. Total amount power to be developed 28 THP. Diversion works: Ditch and pipe line 3½ miles long. 1829.

Harmonia Lotta, Gustine, Merced Co., 5 cu. ft. per sec. from San Joaquin River, in Fresno Co., for agricultural purposes on 160 acres. Diversion works: Sectional board weir 6'x385'x385' with steamboat chute, wasteway over weir and canal 35 miles long. Estimated cost proposed works $3,500. 1830.

Frank Gillelen, Trustee for proposed Conejo Irrigation Dist., 606 S. Hill St., Los Angeles, 75 cu. ft. per sec. from Piru Creek, and 125 cu. feet per section from mean annual flow of Sespe and Piru Creek tributary, in Ventura Co., for power purposes. Amount of water to be stored 150,000 acre feet. Amount power to be developed 23,000 THP., No. 1831; and same applicant for same amount from same sources for agricultural purposes. 1832.

R. T. Harding, 105 Montgomery St., San Francisco, 30 cu. ft. per sec. from Grizzly Creek, Plumas Co., for power purposes. Diversion works: Concrete dam 10'x50'x20' and tunnel ¾ mile long. (Applicant allowed 30 days from 6-2-20 to file map.) 1833.

A. S. White, for Garden Farms Co., Tracy, 100 cu. ft. per sec. from Old River, San Joaquin Co., for agricultural purposes on 8350 acres. (Applicant allowed 30 days from 6-2-20 to file maps.) 1834.

Dorothy Londsen, Maxwell, Colusa Co., 5 sec. feet from Drain No. 5 of S. V. I. Co. Plats, Colusa, for irrigation

of rice on 120 acres. Diversion works: Earth dam 5'x75'x40' and ditch ½ mile long. (Applicant allowed 60 days from 6-2-20 to complete application.) 1835.

W. E. Evans, for Beaumont Irrigation District, 8 second feet from 4 wells in Riverside Co., for irrigation of 2,500 acres. (Applicant allowed 60 days from 5-26-20 to file maps and complete application.) 1837.

J. D. Granlees, Slough House, Sacramento Co., 2 cu. ft. per sec. from Cosumnes River, Sacramento Co., for irrigation of 160 acres. Diversion works: Concrete dam 10'x260' and ditch 1 mile long. Estimated cost proposed works $5,000. 1838.

Butte Meadows Co., a corporation, 12½ cu. ft. per sec. from Bolt Creek, Butte Co., for power purposes. Amount of power to be developed 200 THP. Diversion works: Log dam 10'-x about 100' x about 100' and pipe line 1½ mile long. 1839.

Dan McDonald, San Joaquin, Fresno Co., 1½ cu. ft. per sec. from unnamed spring in Butte Co., for irrigation of 100 acres. (Applicant allowed 30 days from May 28, 1920 to file maps.) 1839.

W. A. Beard, for Iron Canyon Project Assn., Marysville: App. No. 1841, 750 cu. ft. per section direct diversion and 125,000 acre feet storage from Thomas Creek, Tehama Co., for irrigation of 50,000 acres, No. 1842, 600 cu. ft. per sec. direct diversion and 100,000 acre feet storage from Elder Creek, Tehama Co., for irrigation of 40,000 acres; No. 1843, 400 cu. ft. per sec. and 75,000 acre feet storage from Red Bank Creek Tehama Co., for irrigation of 30,000 acres; No. 1844, 250 cu. ft. per sec. direct diversion and 75,000 acre feet for storage from S. Fork Cottonwood Creek, Tehama Co., for irrigation 30,000 acres; No. 1845, 670 cu. ft. per second from Sacramento River, for irrigation of 650,000 acres. (Applicant allowed 6 months from 5-26-20 to file maps and complete applications.)

H. L. Jackman, Eureka, 9,000 cu. ft. per sec. from Klamath River, in Humboldt Co., for power purposes. Amount of water to be stored 150,000 acre feet. Amount of power to be developed 306,180 THP. Diversion works: Steel pipe line 350' long and concrete arch dam 300'x700x100'. Estimated cost $20,000,000. 1847.

Escondido Mutual Water Co., Escondido, 80 cu. ft. per sec. from San Luis Rey River, in San Diego Co., irrigation and domestic purposes in Escondido. Water to be used on 13,230 acres. Amount of water stored 20,000 acre feet. Main diversion ditch 16 miles long. (Applicant allowed 90 days from 5-28-20 to complete application.) 1848; and same applicant, 80 cu. ft. per sec. from San Luis Rey River, for power purposes. Amount of water to be stored 20,000 acre feet. Amount of power to be developed 210 THP. (Applicant allowed 90 days from 5-28-20 to complete.) 1849.

City of Los Angeles, 150 cu. ft. per sec. from Middle Fork San Joaquin River, for Power House No. 1, North Line; 150 cu. ft. per sec. from Fish Creek, for P. H. No. 1 South Line; 100 cu. ft. per sec. from N Fork San Joaquin River, for P. H. No. 2; 300 cu. ft. per sec. for P. N. No. 2; 300 cu. ft. per section from Middle Fork S. J. R., at P. H. No. 3, East Line; 250 cu. ft. per sec. from N. Fork S. J. R., for P. H. No. 3, West Line; 600 cu. ft. per sec. from M. Fork S. J. R., for P. H. No. 4; and 60,000 acre feet per annum for storage for power purposes. Amount of power to be developed: P. H. No. 1, North Line, 19,600 THP; P. H. No. 1 South Line 14,800 THP; P. H. No. 2, 14,200 THP; P. H. No. 3, E Line 14,300 THP; P. H. No. 3 W. Line 11,900 THP; P. H. No. 4, 65,000 THP; Total 139,800 THP. 1852. (Applicant allowed 6 months from 6-7-20 to file maps.)

City of Sacramento, 1 cu. ft. per sec. from Bryant Creek, El Dorado Co., tributary South Fork American River, for domestic and agricultural purposes. 1853.

## LIGHTING SYSTEMS.

SAN RAFAEL, Marin Co., Cal.—July 6th is the date set by the County Supervisors to consider the petition asking the formation of the Tamalpais Valley Lighting District. Rob. E. Graham is County Clerk.

SANTA BARBARA, Santa Barbara Co., Cal.—Plans and specifications for remaining stretches of the Lompoc district highways, to be built under the $400,000 bond issue, are now being prepared in the office of County Engineer Owen H. O'Neill under his personal supervision. There is said to be a good prospect for selling the bonds.

## MACHINERY.

BERKELEY, Alameda Co., Cal.—The following bids were received and taken under advisement by the City Council, A. G. Briggs, Clerk, for furnishing and delivering a tractor for use of the Street Department:

Stuart S. Smith & Co., 625 Market St., San Francisco, $5,185.

De Laval Dairy Supply Co., 61 Beale St., San Francisco, $2,000.

W. G. Abbott, 820 Syndicate Bldg., Oakland, $3,250.

Holt Mfg. Co., 304 Balboa Bldg., San Francisco, $5,586.50 and $5,336.50, less 5% discount for cash.

LOS ANGELES, Cal.—City Engineer Griffin as chief engineer of the harbor commission, has been instructed to prepare specifications for the following machinery to be purchased under the last bond issue:

1 concrete mixer;
1 locomotive crane;
1 drill press and lathe;
1 derrick barge with hoisting equipment.

Bids will be called for by the harbor commission for this equipment in a week or ten days.

OAKLAND, Cal.—The City Council is considering a resolution providing for the purchase of $10,300 motor equipment for use of the city street department. The resolution was drawn up by Commissioner W. H. Edwards, Chief of the Street Department. L. W. Cummings, is City Clerk.

SAN JACINTO, Riverside Co., Cal.—Until 7:30 P. M., July 6, bids will be received by city trustees for drilling a 7-in. well with No. 14 gauge riveted steel casing about 200 ft. deep at the city water plant on S. Main St., contractor to furnish all materials. Geo. Grover is city clerk.

PORTLAND, Ore.—Hesse-Martin Iron Works submitted the lowest bid to the Public Docks Commission for furnishing and installing machinery for the bulk ore storage bunkers on Pier No. 5 and will probably be awarded the contract. The bid was $56,514.08.

## SEWERS, STREET WORK, ROADS AND WATER SYSTEMS.

COALINGA, Fresno Co., Cal.—The matter of street paving was discussed at the last meeting of the City Trustees. Hugh Crummey, a San Francisco street contractor, addressed the Board on various types of pavement, the black base construction against concrete being favored. Mr. Crummey has been requested to appear at the next meeting of the Board to render further assistance in the street paving program being outlined by the Trustees.

PHOENIX, Ariz.—The city commission has decided to do all the work uncontracted for on the Verde gravity water system. The work includes the construction of an infiltration intake system consisting of 1300 lin. ft. of 60-in. reinforced concrete pipe and trench excavating varying from one to 25 ft.; also excavating and backfilling, placing foundations and trestles and hauling and distributing all materials for 32 miles of 36-in. and 38-in. redwood continuous state pipe. V. A. Thompson, city manager.

CHICO, Butte Co., Cal.—The City Council has awarded a contract to the Chico Contracting Co., of Chico, at approximately $70,000 for the improvement of street by grading and paving with 2½-inch asphaltic concrete base and 1½-in. Warrenite-Bitulithic wearing surface, constructing culverts, storm water drains, concrete curbs, gutters and sidewalks.

Following streets will be improved under this contract:

Broadway, from a line 59 feet South of Eighth St. to the North end of the bridge crossing Little Chico Creek.

South Salem St., from South end of the bridge crossing Little Chico Creek to the Eleventh (also known as Academy) St. and from Butte St. to Calaveras St.

Butte St., from South Broadway to South Salem St.

Fourth Street, from Main St. to Wall St.; Wall St. to Flume St.; Flume St. to Orient St.; Orient to Olive St.; Olive St. to Pine St.; and from Pine St. to Cypress St.

Flume St., from Third St. to Fourth St.; also the improvement of Second St., from Salem to Sycamore and from Sycamore to Chestnut with similar improvements except that the concrete base shall be 4-inches thick.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Council has passed resolution of intention No. 285-C providing for the construction of a 6-inch salt glazed sewer in a portion of Laurel St., from Felix St., west a distance of 25 ft. from the South wall line of Laurel St. for a distance of 372.7 feet to an angle in Laurel St.; thence West 25 feet from the South wall line of Laurel St. 7.3 feet to the end of said sewer. Construction of 2 brick manholes, 16 Y branches each with 4-inch openings. Work to be done under the Improvement Act of 1911. S. A. Evans is City Clerk.

HOLBROOK, Ariz.—The $150,000 road bond issue carried at the special election. The roads to be improved are: Holbrook to Apache County line, Holbrook to Winslow, Winslow to Coconino County line, Holbrook south to Snowflake, and Holbrook north to Moqui reservation.

PORTLAND, Ore.—Bids will be received by the Oregon State Highway Commission, Yeon Bldg., Portland, on July 6th for the following projects:

**Coos County—**

Cedar Point-Coquille, 2.3 miles of paving, 8,000 cubic yards of excavation, 21,850 square yards of paving.

**Deschutes County—**

Bend-Jefferson County Line, 24.2 miles of graveling, 53,000 cubic yards surfacing.

**Douglas County—**

Roseburg-Wilbur, 5.4 miles graveling, 11,500 cubic yards surfacing.

**Jackson County—**

Talent Reservoir Section, Pacific

Highway, 0.6 miles grading, 3,300 cubic yards excavation.

**Josephine County—**

Sexton Mountain Section, 7.5 miles graveling, 19,900 cubic yards surfacing.

**Linn County—**

Albany-Tangent, 7-4 miles graveling, 12,500 cubic yards surfacing.

**Marion County—**

Salem south, 7.2 miles graveling, 14,000 cubic yards surfacing.

**Polk County—**

Yamhill County Line-Butler's Store, 7.6 miles grading and rocking, 12,300 cubic yards excavation, 20,000 cubic yds. surfacing.

**Sherman County—**

Columbia River Highway, 14.8 miles graveling, 37,500 cubic yards surfacing.

**Tillamook County—**

Riverdale to Hobsonville, 4.4 miles graveling, 10,400 cubic yards surfacing.

Moore Cutoff, 3 miles graveling, 6,400 cubic yards surfacing.

Beaver-Hebo, 4.7 miles graveling, 11,000 cubic yards surfacing.

**Union County—**

Elgin-Minam, 9.3 miles rocking, 660 cubic yards excavation, 19,500 cubic yds. surfacing.

Perry-La Grande, 2.5 miles grading, 30,000 cubic yards excavation.

North Powder-Telocaset, 9 miles grading, 53,000 cubic yards excavation.

**Yamhill County—**

Sheridan-Polk County Line, 4.5 miles rocking, 9,200 cubic yards surfacing.

Newberg-Chehalem Creek, 1.5 miles, 3,500 cubic yards surfacing.

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OLYMPIA, Wash.—Bids will be received by the Washington State Highway Commission up to July 12th, 2 P. M., for the following projects:

Clearing, grading and draining of ½ mile of North Bank Highway, the east approach to the Underwood bridge in Klickitat County.

Clearing, grading, draining and surfacing with gravel of 1:24 miles of State Road No. 5 from Randle west in Lewis County. Post road project No. 61.

Grading, draining and paving with concrete of 1 mile of Pacific Highway from Silvana north in Snohomish County. Post Road project No. 61.

Grading, draining and paving with concrete of 1.71 miles of Olympic Highway from Elma east in Grays Harbor County. Part road project No. 7.

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MADERA, Madera Co., Cal.—Up to July 7th, 11 A. M., bids will be received by W. R. Curtin County Clerk, for furnishing 12 car loads, of not less than ten thousand gallons to the car, road oil, of not less than seventy-five per cent asphaltum f. o. b. Madera and Greenleaf, Madera County, Cal.

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MODESTO, Stanislaus Co., Cal.—City Engineer Freitas has been instructed to prepare plans for the paving of N St. between 9th and 10th. W. O. Thompson is City Clerk.

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OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has passed resolution of intention for improving Penniman Ave., from 35th Ave. to High St., by grading, constructing concrete curbs, gutters and sidewalks and paving with oil macadam, 2 corrugated iron and concrete culverts each having 2 C. I. handholes.

A resolution has also been passed providing for the construction of an 8-inch vitrified pipe sewer having 5-inch Y branches, vitrified lamphole with brick and cast iron top, in Bayo St., from Mayhelle Ave., to a point 285 feet northwest.

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SAN ANSELMO, Marin Co., Cal.—Bonds of $95,000 have been voted to finance road improvements.

RED BLUFF, Tehama Co., Cal.—Until 10 A. M., July 13th, bids will be received by H. G. Kuhn, County Clerk, for the repairing and keeping in repair of the road in Road Districts No. 3 and No 4 for a period of one year from the date of contract.

Certified check of 10% payable to Chairman of Board of Supervisors required. W. F. Lunning is County Engineer.

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MODESTO, Stanislaus Co., Cal.—At the last meeting of the City Council, Professor Charles Gilman Hyde, consulting sanitary engineer of the University of California, presented tentative plans for storm sewers, money for which was voted at the bond election last January. The plans as presented provide for five districts in the city.

City Engineer Freitas was instructed to go into details with Mr. Hyde regarding the work.

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ALAMEDA, Alameda Co., Cal.—City Engineer Hickok has submitted a report to the City Council showing the inadequacy of the present water supply for fire fighting purposes. The contemplated improvement of the water system will be done by one of three ways. By installing a salt water pumping system, or constructing underground cisterns in the mercantile districts, or by improving the present fresh water system. The latter is preferred by Engineer Hickok.

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SANTA MONICA, Los Angeles Co., Cal.—No bids were received by the City Council for purchase of $75,000 5% water bonds.

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FRESNO, Fresno Co., Cal.—Until July 9th, 2 P. M., bids will be received by D. M. Barnell, County Clerk, for the construction of concrete culverts in Fresno County during the fiscal year 1920-1921.

Culverts are to be 24 to 30 feet in width, with 3 to 8 feet in span, and bids shall include the construction of extra heads for cement pipe.

Certified check of $1,000 payable to chairman of Board of Supervisors required .

Plans on file at office of County Clerk.

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SACRAMENTO, Cal.—The City Commissioners, M. J. Desmond, City Clerk, have passed Resolution of Intention No. 1493 providing for the improvement of the alley bet. J and K St., from the east line of 3rd St. to the west line of 4th St. by grading, constructing concrete curb wall and paving with asphaltic concrete 5½ inches thick.

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NAPA, Napa Co., Cal.—The City Council, H. H. Thompson, City Clerk, has passed Resolution of Intention No. 485 for improving First St., from Randolph to Jefferson by grading and paving with concrete 5 inches thick and 40 ft. wide.

Work will be done under the Improvement Act of 1911.

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EUREKA, Humboldt Co., Cal.—The Supervisors have awarded a contract to E. W. Pirce for the 2.8 miles of the Lord-Ellis road between Bairs and Green Point. The bid was $14,196.40 The only other bid was that of Fremont Greenlaw for $14,700.

Fred M. Kay is County Clerk.

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MARYSVILLE, Yuba Co., Cal.—L. B. Crook, County Surveyor, has completed surveys for the new county highway to extend from the Butte County line through District No. 10 to the Marysville city limits. Specifications for the work will be rushed to completion.

SEBASTOPOL, Sonoma Co., Cal.—Up to July 6th, 8 P. M., bids will be received by John S. Saunders, City Clerk, for the improvement of Petaluma avenue from the south city limits to the north line of Baxter Ave. (20 feet in width).

South Main St., from its intersection with Litchfield Ave., to a point 220 feet south of the south line of Burnett St.

Project involves 109,504 sq. ft. of grading, 102,004 sq. ft. of petrolistic cement pavement, consisting of 4 inches of macadam base and 3 inch binder and wearing surface and 1,661 lin. ft. of concrete curb. Work will be done under the Improvement Act of 1911. Certified check of 10% payable to town required.

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SAN LUIS OBISPO, S. L. O. Co., Cal.—Up to July 7th, 10 A. M., bids will be received by F. J. Rodrigues, County Clerk, for the construction of Portions of Higuera, Chorro and Monterey Sts. in the City of San Luis Obispo.

Work will consist of removing present pavement, grading, and either laying plain concrete pavement Class 'B' with asphaltic wearing surface or reinforced concrete pavement Class 'A' without wearing surface, the type adopted to be as the Board of Supervisors may elect.

Certified check of 5% payable to Chairman of the Board of Supervisors required. Warren Burch is County Engineer.

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SAN MATEO, San Mateo Co., Cal.—Up to July 19th, 8 P. M., bids will be received by E. W. Foster, City Clerk, for the construction of an artificial stone sidewalk in the east side of "E" St. bet. the south curb line of Santa Inez Ave. and the north curb line of Monte Diablo Ave. and on the north side of Monte Diablo Ave. from the east line of "E" St. to a line 332 feet 4 inches east therefrom.

Certified check of 10% required. Plans msy be had from City Clerk's office.

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BERKELEY, Alameda Co., Cal.—The City Council, A. G. Briggs, City Clerk, has awarded a contract to the Standard Oil Co., for furnishing and delivering 1,000 tons of asphalt, Calol "E" Grade 130-150 penetrations, to be used in oiling the city streets. The bid is $13 per ton.

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VALLEJO, Solano Co., Cal.—Due to lack of funds the proposed street paving program has been indefinitely postponed by the City Council. Temporary improvements will be made by the City Street Department.

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TULARE, Tulare Co., Cal.—The City Trustees have awarded a contract to the Neptune Meter Co., for furnishing and installing water meters for the city system, its bid being the lowest of five received.

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STOCKTON, San Joaquin Co., Cal.—Up to July 7th, 10 A. M., bids will be received by Eugene D. Graham, County Clerk, for improvement work on that portion of the Country Club Boulevard in Calaveras Road District beginning where West street of the City of Stockton extended north would intersect said boulevard, and extending thence in a westerly direction 2400 feet, more or less, in accordance with specifications prepared by F. E. Quail, County Surveyor.

Certified check 10% payable to Chairman of the Board of Supervisors required.

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SAN DIEGO, Cal.—David H. Ryan, 1615 Fern St., San Diego, submitted the lowest bid at $74,396 for constructing approximately 1⅞ miles of concrete road through Ft. Rosecrans and naval reservation.

BAKERSFIELD, Kern Co., Cal.—The City Council, V. Van Riper, Clerk, has approved plans for paving intersections of F, D, H, I, and Chester avenues on Fifteenth street.

The Council is considering plans for the improvement of Fourteenth street from K to Chester ave., and L street from K to Truxton avenue.

A petition has been received asking the grading of Twenty-third st., between H and G and E streets and that concrete curbs be constructed.

BAKERSFIELD, Kern, Co., Cal.—J. A. Stroud, Jr., has been awarded a contract by the City Council, V. Van Riper, Clerk, for the construction of a six-in. vitrified, salt-glazed sewer pipe in the alley first south of Fourteenth from a point 139.25 feet west of O street, thence west 95 feet; also a six-inch sewer in the alley first south of Fourteenth street from a point 53.75 west of O street, thence east 288 feet; also a six-inch sewer in the alley first south of Thirteenth street from a point 28.75 feet east of O street, thence west 263 feet; also a six-inch sewer in the alley first south of Thirteenth street, from a point 63.75 feet west of O street, thence east for a distance of 634 feet including the construction of lampholes and Y's for house connections.

The bid was $1.80 per lin. ft. for sewer pipe and $11.00 each for manholes. The Volley Construction Co., was the only other bidder.

STOCKTON, San Joaquin Co., Cal.—The City Council, A. L. Banks, Clerk, has taken under advisement a petition asking that the main sanitary sewer be extended out the Linden road for approximately two blocks to connect with the sewer system in Merryvale, a newly opened tract.

W. B. Hogan is City Engineer.

HAYWARD, Alameda Co., Cal.—M. E. Fernandez has been awarded a contract by the Town Trustees for building the new storm sewer in the Mt. Eden Road (Jackson St.), at $.697 per lin. ft. The only other bidder was Brasse & Burgund Co., at $.798 per lin. ft.

GRIDLEY, Butte Co., Cal.—The City Trustees, Genevieve Hefner, Clerk, have passed resolution of intention No. 270 providing for the improvement of portions of Magnolia and Wilson sts., by grading, paving with 4-inch cement concrete base and a Warrenite-Bitulithic wearing surface 1½ inches thick, concrete curbs and gutters, corrugated iron culverts, monument boxes, etc. Work will be done under the Improvement Act of 1911.

FRESNO, Fresno Co., Cal.—H. Gould of Fresno, submitted the only bid to the City Council, Chas. Dillon, City Clerk, for the construction of sewers in Muncipal Improvement District No. 1, at the following prices:

3,474 ft. of 8" sewer pipe @ $1.70 per foot.
9,597 ft. of 6" sewer pipe @ $1.45 per foot.
147 standard manholes @ $100 each.
16 drop manholes @ $120 each.
25 drop connections, no bid.
50 standard lampholes @ $20 each.

The bid was taken under advisement.

Clarence Murray is City Engineer.

NAPA, Napa Co., Cal.—Up to July 2nd, bids will be received by James A. Daly, County Clerk, for the construction of a concrete highway from Trubody Station north to Rutherford, a distance of seven miles.

This will be the last stretch of the Napa-to-Calistoga highway.

Plans may be had from the Clerk's office.

LOS ANGELES, Cal.—C. W. Sparks 457 S. Lake St., was awarded the contract at $31,831 for constructing an oil macadam pavement on Sunset Ave. between Pomona Blvd. and Merced Ave., 2.43 miles, in Road Imp. Dist. No. 145.

SANTA ANA, Orange Co., Cal.—Until 11 A. M., July 6, bids will be received by supervisors of Orange Co. for surfacing 2 miles of Westminster Blvd. with asphalt. Certified check for 5% required. J. L. McBride, county engineer. J. M. Backs, clerk.

SALINAS, Monterey Co., Cal.—The City Council, M. R. Keef, Clerk, has passed resolution of intention No. 3 providing for the improvement of portions of North Main Street by breaking up and regrading the present waterbound macadam; constructing concrete curbs, and gutters and sidewalks and placing an asphaltic oil macadam surface.

Resolutions No. 4 and No. 5 for similar improvements in portions of Salinas and Market streets.

RICHMOND, Contra Costa Co., Cal. F. A. Mero at $29,798.53 was awarded a contract by the City Council for improving 23rd street between Eamond avenue and the north city limits. The only other bidder was L. L. Page at $37,805.36. Work will consist of grading, paving with 6-inch concrete base, broken rock and asphalt wearing surface, concrete curbs, gutters, sidewalks, wing walls, portals, corrugated and metal culverts, vitrified sewer pipe, brick manholes, etc.

A. C. Faris is City Clerk.

LOS ANGELES, Cal.—Until 10 A. M., July 6, new bids will be received by board of public work for constructing a cement pipe sewer in Ocean Ave. between Altoona Place and Bayone Place and other streets and alleys in Ocean Ave. sewer district, East San Pedro. Ord. 40,301. Martin Simunovich submitted the only bid for this work on June 14 at $53,743 which the city engineer held to be 15% too high.

OAKLAND, Cal.—Up to July 8th, 12 M., bids will be received by L. W. Cummings City Clerk, for improving East 20th St., from 25th Ave. to the intersection of the northeast line of East 20th St. with the northwest line of Mitchell St. to the intersection of the southwest line of East 20th St. with the north line of Foothill Blvd. by grading, constructing redwood curbs ,concrete gutters and sidewalks and paving with oil macadam.

Separate bids will be considered on the same date for improving East 21st St., from 25th Ave. to Mitchell St., by grading, constructing redwood curbs, concrete gutters and sidewalks and paving with oil macadam.

LOS ANGELES, Cal.—The county road department is preparing plans and specifications for constructing cement curb, gutter and sidewalks on Eastern Ave., Gage to Record St., R. D. I. No. 167, and Eastern Ave., Hazard to Record St., R. D. I. 170. Eastern Ave. is first street north of Brooklyn Ave., Boyle Heights. Plans and specifications are also being prepared for about one-fourth mile concrete paving on Doheny road between Sunset road and city of Beverly Hills.

LOS ANGELES, Cal.—Because of technical errors in proceedings Rogers Bros. Co. declined to sign a contract for paving Tierra Bonita road in Road Imp. Dist. No. 165, about 11 miles, with disintegrated granite. New proceedings will be instituted and the number of the district will be changed to 171.

OAKLAND, Cal.—The City Council has directed the City Engineer to prepare plans for the widening of East 14th street between Jones and 103rd avenues. L. W. Cummings is City Clerk.

SANTA CRUZ, Santa Cruz Co., Cal.—The County Supervisors, H. H. Miller, Clerk, have ordered the construction of a bridge at Green Valley, work to be done under the emergency act.

SANTA CRUZ, Santa Cruz Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for a sewer in Laurel street from Felix street to a point 380 feet westerly.

SANTA CRUZ, Santa Cruz Co., Cal.—County Engineer Lloyd Bowman will present plans and specifications for the county highway unit between Santa Cruz and the Big Trees, at the next meeting of the Supervisors. Work will consist of grading, constructing culverts and paving. H. H. Miller is County Clerk.

STOCKTON, San Joaquin Co., Cal.—F. E. Quail, County Engineer, has been instructed to prepare profiles and cross-sections for the improvement of the County Club boulevard.

Bids for this work will be called for in the near future.

ELY, Nevada.—The contract for the construction of a sewer in Mill street has been awarded by the City Council to C. C. Caperton of Ely at $5,258.90. Other bidders were: M. T. Collins, $6,215.50 and A. Hexem, $5,494.30.

MODESTO, Stanislaus Co., Cal.—Up to July 12th, 7:30 P. M., bids will be received by Kathleen G. Prewett, Secretary of the Modesto Board of Education for street improvements at the Departmental School, according to plans on file in her office. Certified check of 10% payable to President of Board of Education required.

TRACY, San Joaquin Co., Cal.—Following the presentation of a petition, the Trustees instructed the City Engineer to prepare plans for the improvement of East Sixth Street.

EL CERRITO, Contra Costa Co., Cal.—Specifications have been completed for the improvement of Kearney street and will be ready for adoption at the next meeting of the City Trustees.

MARTINEZ, Contra Costa Co., Cal.—Up to July 9th, 4 P. M., bids will be received by J. E. Rodgers, Clerk of the Alhambra Union High School District, for the improvement of that portion of Smith street between D and E streets by grading for a width of 15 feet, and paving with a 3-inch asphaltic concrete base and Warrentie-Bitulithic wearing surface 2 inches thick for a width of 9 feet; corrugated iron culverts, 8 by 36 inches in diameter.

Plans may be had from the Clerk in the Byron Brown Bldg., Martinez. Certified check for 10% payable to Board of Trustees required.

SACRAMENTO, Cal.—The City Commission, M. J. Desmond, City Clerk, has awarded a contract to the Clark & Henery Construction Co., of Sacramento, for improving 39th St., from Lot "F," Wright & Kimbrough subdivision to Stockton Boulevard, by grading, constructing concrete curbs and gutter; placing 17 cast iron gutter drains with 6 inch vitrified ironstone pipe; 8 concrete manholes with cast iron covers, and 8-inch vitrified ironstone pipe sewer, and paving with asphaltic concrete wearing surface 5½ inches thick.

VENTURA, Ventura Co., Cal.—Until 2:15 P. M., July 7, bids will be received by supervisors of Ventura Co. for constructing a reinforced concrete bridge, 18-ft. span, across Grimes wash on Riverside Ave., 1½ miles south of Fillmore. Plans and specifications may be obtained from County Surveyor Chas. Petit. L. E. Hallowell, county clerk.

BAKERSFIELD, Kern Co., Cal.—The City Engineer has completed plans for the improvement of Fremont street in East Bakersfield and Parkway and A streets in West Park.

LOS ANGELES, Cal.—Martin Simunovich, Box 586, R. F. D. No. 1, Inglewood, submitted the only bid at $53,-743 for constructing a cement pipe sewer in Ocean Ave. between Altoona Place and Bayonne Place and in other streets and alleys in Ocean Ave. sewer district, East San Pedro.

VALLEJO, Solano Co., Cal.—Fred H. Tibbitts, Engineer, Alaska Commercial Bldg., San Francisco, has been selected by T. D. Kilkenny, City Engineer of Vallejo, to assist in preparing a report for securing an adequate water supply for this city.

OROVILLE, Butte Co., Cal.—To accept a position as chief engineer of an irrigation district in the Sacramento Valley at a salary of $6000 a year, County Road Engineer M. C. Polk of Butte County, has resigned. Polk will maintain his private practice.

SAN BERNARDINO, San Bernardino Co., Cal.—Until 7:30 P. M., July 6, bids will be received by City Clerk J. H. Osborn for constructing an 8-in. vitrified pipe sewer in Olive St. between B St. and a point 591 ft. east; also one flush-tank and one manhole and 18 Y's, work to be done under Imp. Act. of 1911. Will L. Brown, city engineer.

SANTA BARBARA, Santa Barbara Co., Cal.—A. L. Pendola of Santa Barbara, was awarded the contract at $21,199.72 for paving Putnam Ave. with 4-in. concrete and constructing cement curb and sidewalks, 6-in. vitrified pipe sewer and reinforced concrete catch basins. Fairchild-Gilmore-Wilton Co. bid $22,650.20.

PHOENIX, Ariz.—Only one bid was received by City Manager Thompson for constructing an infiltration system for the Verde gravity water system for the city of Phoenix. This was submitted by Bent Bros. of Los Angeles. It was not declared as no bids were received for excavating and backfilling for the 32 miles of pipe line. Whether the work will be readvertised has not been announced.

SANTA CRUZ, Santa Cruz Co., Cal.—Up to July 6th, 9 A. M., bids will be received by S. A. Evans, City Clerk, for construction of sewers in portions of Surfside and Delaware avenues; beginning at the intersection of Bayside and Surfside Aves.; thence South 1356.1 feet along Surfside Ave. to the intersection of Surfside Ave. and Delaware; thence East 192.7 feet along Delaware Ave. to the present manhole at the intersection of Delaware Avenue and Beach Curve; 1356.1 feet of sewer to be 6-inch and 192.7 of 8-inch salt glazed pipe, 6 brick manholes, 84 Y branches each having 4-inch openings. Certified check of 10% payable to City required.

CHICO, Butte Co., Cal.—The City Engineer has been instructed to prepare plans and specifications for paving Woodland, Fifth, Sixth, Seventh and Eighth avenues, Cypress, Poplar and Alder streets. Ira R. Morrison is City Clerk.

LOS ANGELES, Cal.—The following bids were received by Sumner & McMillan, Engineers, 318 H. W. Hellman Bldg., for street work in tract 3767 under private contract, the work involving about 4000 cu. yds. grading and about 28,000 sq. ft. petrolithic paving; H. N. Gentry, $1 cu. yd. for grading and 5c sq. ft. for paving; W. A. Frick, $1.20 and 8c; Robt. Radich, $1.25 and 11c; E. E. East, $1.40, grading only; J. P. Hunter, $2.50 and 10c. The bids were taken under advisement.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract to Hutchinson Co., of Oakland, for improving Over St. from Suter to Porter, by grading; constructing concrete curbs; gutters, and sidewalks and paving with oil-macadam.

Unit prices follow: Excavation, $1.25 cu. yd.; concrete curbs, $.75 lin. ft. concrete gutters, $.26 lin. ft.; oil macadam pavement, $1.35 sq. ft.; cement sidewalks, $.185.

Hutchinson Co., was also awarded the contract for similar improvements in Viloa St., from Porter to Suter on the following prices: Excavation, $1.15 cu. yd.; curbs, $.75 lin. ft. gutters, $.26 lin. ft. oil macadam pavement, $.135 sq. ft. and sidewalks, $.185.

PLACERVILLE, El Dorado Co., Cal.—The State Railroad Commission has authorized the El Dorado Water Company, supplying water for domestic uses in Placer County, to issue $22,000 of its 6% bonds.

Of the proceeds, $1,072 will be used to reimburse its treasury for expenditures heretofore made. The balance is to be expended in enlarging its reservoir, installing larger mains and to purchase a new reservoir site and improve and enlarge canals and distributing ditches.

STOCKTON, San Joaquin Co., Cal.—A resolution authorizing the calling of bids for street work in Lomita Park has been held up by the City Council until there is some assurance that an offer will be made to do the work. No bids were received under a previous call. Plans provide for an oil macadam pavement. A. L. Banks is City Clerk and W. Hogan, City Engineer.

BAKERSFIELD, Kern Co., Cal.—F. W. Nightbert of Bakersfield at $14,460 was awarded a contract by the City Council for the grading, screening and oiling of Fremont street from Sonora street east to Miller V. Van Riper is is City Clerk.

SANTA ROSA, Sonoma Co., Cal.—The County Supervisors have accepted the bid of Chas. J. Lindgren at $33,-336 for concrete paving on the Sonoma to State Highway, a distance of 1.42 miles, 16 feet wide and 5 inches thick. Lloyd Aldrich is County Engineer.

OAKLAND, Cal.—The City Council, L. W. Cummings, City Clerk, has awarded a contract for Hutchinson Co., for the improvement of Brown and Patterson avenues between California and Kansas streets and Kansas street, between Brown and Patterson avenues by grading, constructing concrete curbs and gutters and paving with oil macadam corrugated iron and concrete culverts, vitrified pipe conduits, brick storm water inlets, concrete end wall, etc.

Unit prices for the work follows: grading, $.0475 sq. ft., curb, $.73 lin. ft., gutter, $.26 lin. ft. pavement, $.1375 sq. ft., 8"x24" culvert, $4.90 lin. ft., 2' 6"x3" concrete culvert, $8.00 lin. ft., 10" pipe conduit, $1.90 lin. ft., storm water inlet, $15.00, cast iron inlet, $80 each, handhole, $18 each, header block, $5 each, concrete end wall, $10 each.

VISALIA, Tulare Co., Cal.—Up to July 6th, 10 A. M., bids will be received by Geo. R. Prestige, County Clerk, for the construction of culverts and concrete bridges along the Worth-Springville Division of County Highways, over the following route: Beginning at a point 380.55 feet North of the North quarter corner of Section 3, Township 22 South, Range 28 East, M. D. B. & M., being the Easterly end of the Porterville Worth Division on the County Highway system; thence Easterly and Northeasterly along the Springville Road to a point near the center of Sec. 15, T. 21 S., R. 29 E., M. D. B. & M., a distance of 9.05 miles.

Work involves 73.68 cu. yds. Class "A" concrete and 33 corrugated iron pipes. Certified check 5% payable to Chairman of Board of Supervisors required. Laurence A. Moye, County Surveyor.

MARTINEZ, Contra Costa Co., Cal.—The City Trustees, C. E. Daley, Clerk, has passed resolution of intention providing for the improvement of portions of Main, Ward, Green, Thompson, Mellus, Willow and Oak streets, Huntington Court and Highland Avenue, by grading, curbing, guttering, paving, draining, etc., and by the construction of culverts and crosswalks.

All under Resolution No. 129-B. Cement concrete pavement of various thickness will be laid.

STOCKTON, San Joaquin Co., Cal.—The City Council has awarded a contract to Chambers and De Golyer for the construction of a system of lateral sewers with house connections, automatic flushers, manholes, Y branches, etc., in Blocks 2, 3, 4, 5, 6, 7, 8, 9 and 10, across the following streets, Elizabeth Ave., Ramona Ave., Allston Way, Carmel Ave., Lomita Ave., Walnut St., and a portion of Bedford Road.

W. B. Hogan is City Engineer.

SANTA ANA, Orange Co., Cal.—An election will be held July 20 to vote on issuing $55,000 bonds for paving on North Main, East First and South Bristol Sts., $40,000 bonds for paving in front of school properties, $50,000 bonds for new street culverts, $28,000 for sewer extension and $33,000 for water works improvements.

BAKERSFIELD, Kern Co., Cal.—J. A. Stroud, Jr., has been awarded a contract by the City Council, V. Van Riper, Clerk, for the construction of a six-inch vitrified, salt-glazed sewer pipe in the alley first south of Fourteenth from a point 139.25 feet west of O street, thence west 95 feet, also a six-inch sewer in the alley first south of Fourteenth street from a point 53.75 west of O street, thence east 288 feet; also a six-inch sewer in the alley first south of Thirteenth street from a point 28.75 feet east of O street, thence west 263 feet; also a six inch sewer in the alley first south of Thirteenth street, from a point 63.75 feet west of O street, thence east for a distance of 634 feet including the construction of lampholes and Y's for house connections.

The bid was $1.80 per lin. ft. for sewer pipe and $11.00 ea. for manholes. The Volley Construction Co., was the only other bidder.

SANTA CRUZ, Santa Cruz Co., Cal.—B. Ray Greenfield of Santa Cruz, at $331.25 has been awarded a contract by the City Council, S. A. Evans, City Clerk, for constructing a 6-inch vitrified sewer in a portion of Sadle street from Lodi street to a point 225 feet westerly, 1 brick manhole with cast iron top and 10 Y branches with 4-inch openings.

HANFORD, Kings Co., Cal.—The paving of nineteen city blocks was ordered at the last meeting of the City Council, D. C. Williams, Clerk.

Ivy street is to be paved from Harris to Park avenue; Center and the jogg, Central Ave. are to be improved from Park avenue to Irwin streets; Florinda will be paved from Park avenue to Harris street and Keith and Courtney streets will be paved for a block each. Keith is to be improved from Irwin to Douty street and Courtney street from Douty to Harris. Cameron street is also included with paving from Kaweah to Harris streets.

STOCKTON, San Joaquin Co., Cal.—The Federal Construction Co., at $41,-177.58 submitted the lowest bid to the City Council, A. L. Banks, Clerk, for improving North street, from California street, west to a line across North street, joining the northwest corner of Lot 1, Blk. 92, East of Center St. with the southwest corner of Lot 6, Block 4, of Sperry's Adition, by grading, constructing concrete curbs, gutters and sidewalks and paving with a 2½-inch gravel base and an asphaltic wearing surface 4½ inches thick. The only other bidders was the Clark and Henery Construction Co., at $42,684.29. The estimate of City Engineer W. B. Hogan was $38,368.65. The bids were taken under advisement until the sentiment of property owners was considered.

STOCKTON, San Joaquin Co., Cal.—W. J. Tobin at $2,729.64 has been awarded a contract by the City Council, A. L. Banks, Clerk, for the construction of a system of lateral sewers with Y branches, house connections and manholes, etc., in South street, from west line of Center to the west line of Lincoln street.

SAN LUIS OBISPO, S. L. O. Co., Cal.—The Supervisors, Warren Burch, County Engineer, has awarded a contract to D. H. Moore for the Canyon road improvement on his bid of 25 cents per yard mile.

SAN LUIS OBISPO, S. L. O. Co., Cal.—No bids were received by the Supervisors for the Morro-Atascadero road improvement and the County Engineer, Warren Burch, was instructed to proceed with the work under the day labor plan.

SANTA ROSA, Sonoma Co., Cal.—The City Council has accepted the bid of W. L. Jenkins for constructing curbs and gutter in Howard street at 86 cents per lin ft.

KINGMAN, Ariz.—The $500,000 Mohave County highway bond issue carried at the special election on June 8.

## RAILROADS.

EL CENTRO, Imperial Co., Cal.—Until 2 P. M., July 6, bids will be received by supervisors of Imperial Co., for purchase of old iron rails at yards of Road District No. 4, Brawley. M. S. Cook, clerk.

QUINCY, Plumas Co., Cal.—The timber holdings of the Powers Timber Company have been sold to the Western Lumber Company of Reno, Nevada, of which Campbell McNarry is President, who announces that construction will be started in the near future on a railroad along the American River, about 30 miles in length.

The forests lie in the Forest Hill section of Placer County, some thirty miles above Auburn.

## FIRE EQUIPMENT.

FRESNO, Fresno Co., Cal.—Up to July 19th, 8 P. M., bids will be received by Chas. Dillon, City Clerk, for furnishing and delivering for use of the Fresno Fire Department 5,000 feet of 2½ inch C. R. L. fire hose. Certified check for 10% payable to Mayor and City Clerk required.

# Official Proposals.

### STATE OF CALIFORNIA.

### DEPARTMENT OF ENGINEERING.

### CALIFORNIA HIGHWAY COMMISSION

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of **the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M., on July 19,** at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Butte County, constructing the Substructure and reinforced concrete approach spans of a bridge across the Feather River near Oroville (III-But-21-A).

Plans may be seen and forms of proposals, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

NEWELL D. DARLINGTON,
CHARLES A. WHITMORE,
GEO. C. MANSFIELD,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
C. C. CARLETON,
Acting Secretary.

Dated June 14, 1920.

### BIDS WANTED FOR HIGHWAY BRIDGE.

### NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received by the undersigned **until 2 o'clock P. M., July 12, 1920,** for the construction of one 126 ft. Steel Pratt Truss Highway Span on concrete abutments over the Humboldt River in Eureka County.

Plans may be examined and forms of proposal, contract and specifications secured at office of undersigned; may also be examined at the County Clerk's office in Eureka. Cash deposit of $15.00 with the undersigned required for copy of plans, which will be refunded on their return in good condition. Bids must be on proposal form of Highway Department accompanied by certified check in the amount of 5% of bid. Right is reserved to reject any or all bids.

C. C. COTTRELL,
State Highway Engineer.
Carson City, Nevada.

### NOTICE TO CONTRACTORS.

**Drawings and Specification No. 4199, Covering Cold Storage Insulation, Naval Base, Marine Barracks, San Diego, Calif.**

Attention is invited to the fact that proposals on the work mentioned above will be opened in the near future.

The drawings and specification may be obtained on application to the Bureau in Washington, D. C., to the Commandant, Twelfth Naval District, 417 Sheldon Building, San Francisco, Calif., or to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., by placing a deposit of ten dollars ($10.00) as security for their return within five days after the award of the contract.

The work consists of furnishing and installing complete: (a) the insulation and accessories for the cold storage and ante-rooms, freezing and water storage tanks, and piping in the Industrial Building; and (b) the insulation and accessories for the refrigerators for the six barracks buildings.

The estimated cost is $25,000.

R. L. MARTIN,
Lieutenant Commander, C. E. C., U. S. N., By direction of Public Works Officer.

### NOTICE TO CONTRACTORS.

**Drawings and Specification No. 4157, covering Quartermaster's Storehouse, Marine Barracks, Naval Base, San Diego, Calif.**

Attention is invited to the fact that proposals will be opened in the near future on the work mentioned above.

The drawings and specification may be obtained on application to the Bureau in Washington, D. C., to the Public Works Officer, U. S. N., Timken Building, San Diego, Calif., or to the Commandant, Twelfth Naval District, Sheldon Building, San Francisco, Calif., by placing a deposit of ten dollars ($10.00) as security for their safe return within five days after the award of the contract.

The work covers the erection of a two-story structure for use as a Quartermaster's Storehouse. The building will have reinforced concrete foundations supported on concrete piles; reinforced concrete columns, floors and low pitched roof construction, with built-up roofing; steep pitch wood roof construction with terra cotta tile roofing; hollow building tile walls and partitions, with stucco on exterior surfaces and plaster on interior surfaces; brick walls where indicated; suspended metal ceilings in archway and vestibules; artificial stone exterior trim; marble wainscot and partition; wood doors, trim and sash; metal covered doors and frames; steel rolling doors; complete plumbing, heating, and electric lighting and power systems; fire protection system, and two freight elevators.

The estimated cost is $145,000.00.

R. L. MARTIN,
Lieutenant Commander, C. E. C., U. S. N., By direction of Public Works Officer.

## SWEDEN TO ELECTRIFY HER STEAM RAILROADS

STOCKHOLM—The ever increasing prices for coal and the huge freight changes now quoted greatly influenced the Swedish parliament to start electrifying the Swedish state railways. The amount granted for this purpose was 23,000,000 krone as a first installment and the line which is first to be electrified is that between Gothen and Stockholm.

It is expected that next year the parliament will grant means for similar work on the big trunk lines of Malmo-Stockholm and Stockholm-Boden.

A New York building engineer has demonstrated that large structures can be safely built at seashore towns by laying concrete foundations directly on the sand without sinking piling.

WANTED TO BUY
**Hoisting Engines, Concrete Mixers, Cranes—Draglines Or any Construction Equipment**
**EQUIPMENT COR. OF AMERICA**
**Lumber Exchange Building, Chicago, Illinois**

# CONTRACTS AWARDED

## Liens, Acceptances, Etc.

### BUILDING CONTRACTS

**SAN FRANCISCO COUNTY.**

| | | | |
|---|---|---|---|
| 1632 | Kissling | Diestel | 1850 |
| 1633 | Girls Club | Farquharson | 60000 |
| 1634 | Same | Same | 34000 |
| 1365 | Majestic | Kragen | 2000 |
| 1636 | Allen | Allen | 40000 |
| 1637 | Braig | American | 33000 |
| 1638 | Bk of Italy | Standard | 21500 |
| 1639 | Hess | Healing | 598 |
| 1640 | Kinworth | Wygant | 500 |
| 1641 | Muller | Stettin | 600 |
| 1642 | Puccinelli | Ferroni | 6800 |
| 1643 | White Lunch | Owner | 2500 |
| 1644 | Walkup | Hamill | 3300 |
| 1645 | Higgins | Owner | 10000 |
| 1646 | Western Un | Malloch | 1000 |
| 1647 | Same | Same | 1000 |
| 1648 | United Cigar | Martin | 3000 |
| 1649 | Beck | Owner | 500 |
| 1650 | McNeil | Anderson | 1000 |
| 1651 | Queen | Dutton | 1800 |
| 1652 | Moore | Holt | 9970 |
| 1658 | Rasmuson | Matthies | 1425 |
| 1654 | Olson | Grimes | 750 |
| 1655 | Hind | Jensen | 2400 |
| 1656 | Hueter | Boxton | 900 |
| 1657 | Williard | Moller | 500 |
| 1658 | Rasmusson | Matthies | 1429 |
| 1659 | Same | Same | 1326 |
| 1660 | Taylor | Matthies | 646 |
| 1661 | Lynch | Matthies | 725 |
| 1662 | Martin | Todhunter | 800 |
| 1663 | Strassburger | Jensen | 22024 |
| 1664 | Bradford | Mohler | 5400 |
| 1665 | Herlihy | Mohler | 5000 |
| 1666 | Griffith | Diestel | 550 |
| 1667 | Gradke | Owner | 500 |
| 1668 | Low | Beck | 10000 |
| 1669 | Medcrafgt | Federal | 700 |
| 1670 | Kitchen | Owner | 500 |
| 1671 | Melodia | Moriano | 1000 |
| 1672 | Mission | Ahenfeld | 4400 |
| 1673 | Wannemacher | Diestel | 2500 |
| 1674 | G G Milling | Owner | 500 |
| 1675 | Kroger | Klingman | 500 |
| 1676 | Lee | Lindgren | 10000 |
| 1677 | Schmitt | Rosenberg | 500 |
| 1678 | Allen | MacDonald | 175000 |
| 1679 | O'Neill | Weisman | 3795 |
| 1680 | First Nt'l Bk | U S Mtl | 8895 |
| 681 | Rousseau | Owner | 5000 |
| 1682 | Kane | Rossi | 3000 |
| 1683 | Rothberg | Levi | 2500 |
| 1684 | Pomin | Gilmore | 1000 |
| 1685 | Doe | McSheehy | 900 |
| 1686 | Chiappelon | Chase | 500 |
| 1687 | Crude | Owner | 4000 |
| 1688 | Kambich | Owner | 4000 |
| 1689 | Smith | Morton | 19000 |
| 1690 | Paladini | Downey | 770 |
| 1691 | Rasmuson | Matthies | 132[illegible] |
| 1692 | Lynch | Matthies | 725 |
| 1693 | Taylor | Matthies | 64[illegible] |
| 1694 | Asher | Geary | 1975 |
| 1695 | Same | Knowles | 340[illegible] |
| 1696 | Same | Johnson | 1180[illegible] |
| 1697 | Same | Malott | 31[illegible] |
| 1698 | Same | Sovig | 134[illegible] |
| 1699 | Same | Monihan | 247 |
| 1700 | Same | Petersen | 245[illegible] |
| 1701 | Petersen | Owner | 4000 |
| 1702 | Tamp | Schultz | 8000 |
| 1703 | Mottet | Horstmeyer | 5000 |
| 1704 | Franke | Gardner | 500 |
| 1705 | Silva | Ginley | 825 |
| 1706 | Rasmuson | Matthies | 1429 |
| 1707 | Welkert | Jenkins | 1438 |

**PERMITS.**

REPAIRS
(1632) NOS. 55-57 FEDERAL St. Repair fire damage to warehouse.
Owner—Conrad Kissling, 110 Sutter St., San Francisco.
Architect—Martin A. Sheldon, 110 Sutter St., San Francisco.
Contractor—John Diestel, Russ Bldg., San Francisco.
COST, $1850

FRAME CLUB BLDG.
(1633) S HOWARD 175 E 17th. Three story and basement frame club building.
Owner—Girls Club, Inc., 507 Harrison St., San Francisco.
Architect—Julia Morgan, Merchants' Exchange Bldg., San Francisco.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco.
COST, $60,000

ALTERATIONS
(1634) S HOWARD 100 E 17th. Alter residence for girls' club.
Owner—Girls' Club, Inc., 507 Harrison St., San Francisco.
Architect—Julia Morgan, Merchants Exchange Bldg., San Francisco.
Contractor—D. B. Farquharson, 1760 Ellis St., San Francisco.
COST, $34,000

ALTERATIONS
(1635) NO. 2434 MISSION ST. Remodel show windows.
Owner—Majestic Millinery, 2434 Mission St., San Francisco.
Architect—None.
Contractor—Louis Kragen, 743 Gough St., San Francisco.
COST, $2000

RESIDENCES
(1636)E THIRTIETH AVE 84, 109, 134 159 and 184 S Lake. Five two-story and basement frame residences.
Owner—Allen & Co., 168 Sutter St., San Francisco.
Architect—Earle B. Bertz, 68 Post St., San Francisco.
Contractor—Allen & Co., 168 Sutter St., San Francisco.
COST, $8000 each

**RECORDED.**

GARAGE AND DELIVERY BLDG.
(1637) NW FULTON AND LAGUNA N 120 E 110 S 120 W 120. All work for two-story concrete garage and delivery building.
Owner—H. P. Braig, 835 O'Farrell St., San Francisco.
Architect—Henry Shermund, Hearst Bldg., San Francisco.
Contractor—American Concrete Co., Humboldt Bk. Bldg., San Francisco.
Filed June 19, '20. Dated June 15, '20.
Concrete poured to roof line...$825[illegible]
Roof on and building enclosed.. 825[illegible]
Completed and accepted..... 8250
Usual 35 days..... 8250
TOTAL COST, $33,000
Bond, none. Sureties, Norman W. Potter and J. P. Cauhapi. Limit, 60 days after recording contract. Forfeit. $20. Plans and specifications filed.

ELECTRIC WORK
(1638) NW POWELL AND EDDY All wor for electric work for bank and office building.
Owner—Bank of Italy, Market and Mason Sts., San Francisco.
Architects—Bliss & Faville, Balboa Bldg., San Francisco.
Contractor—Standard Electric Construction Co., 60 Natoma St., San Francisco.
Filed June 19, '20. Dated May 29, '20.
Monthly payments of.....75%
Usual 35 days..... 25%
TOTAL COST, $21,500
Bond, $10,750. Surety, U. S. Fidelity & Guaranty Co. Limit, 90 days after completion of granite work. Forfeit, none. Plans and specifications filed.
If it is decided in 90 days from date to leave out the outside circuits for decoration deduct $1,825 from total cost

ALTERATIONS
(1639) NO. 2914 CLAY ST. Alter for basement garage.
Owner—Mrs. Minna Hess, 2914 Clay St., San Francisco.
Architect—Rebecca Hess, 2914 Clay St., San Francisco.
Contractor—Georg Healing, 3665 Sacramento St., San Francisco.
COST, $598

ALTERATIONS
(1640) NO. 256 COLLINGWOOD ST. Remove wood floor and replace with concrete.
Owner—S. N. Kinworth, 256 Colingwood St., San Francisco.
Architect—None.
Contractor—J. N. Wygant, 332 Divisadero St., San Francisco.
COST, $500

STEPS
(1641) NO. 656 DOUGLAS ST. Construct front steps.
Owner—Geo. Muller, Premises.
Architect—None.
Contractor—R. H. Stettin, 3645 19th St., San Francisco.
COST, $600

DWELLING
(1642) S LOMBARD 106 3 S Laguna. Two-story and basement frame dwelling.
Owner—M. Puccinelli, 1827 Lombard St., San Francisco.
Architect—P. Righetti, 668 Phelan Bldg., San Francisco.
Contractor—G. Ferroni & Sons, 1926 Filbert St., San Francisco.
COST, $6,800

ALTERATIONS
(1643) N MISSION 75 E 6th. Install oil tank in basement; change front; erect mezzanine floor.
Owner—White Lunch Co., 122 Kearny St., San Francisco.
Architect—John H. Powers, 460 Montgomery St., San Francisco.
Day's work. COST, $2,500

GARAGE AND STOREROOMS
NE LAGUNA AND FULTON STS. One-story concrete (private) garage and storage rooms.
Owner—Harry P. Braig, Care Architect, 1230 Hearst Bldg., San Francisco.
Architect — Henry Shermund, 1230 Hearst Bldg., San Francisco.
Contractor—American Concrete Co,
COST, $33,000
NOTE—Recorded contract reported June 21, 1920, No. 1637.

**RECORDED**

BUILDING
(1644) NW NATOMA 100 SW 7th SW 25xNW 75. All work for one-story and basement frame building.
Owner—W. B. Walkup, 447 Minna St., San Francisco.
Architect—None.
Contractor—Thos. Hamill, 707 42nd Ave., San Francisco.
Filed June 21, '20. Dated June 18, '20.
Frame up .....$1,100
Completed and accepted..... 1,100
Usual 35 days..... 1,100
Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported June 17, '20. No. 1621.
TOTAL COST, $3,300

**PERMITS**

FRAME FLATS
(1645) E CHERRY 89-4 S Washington. Two-story and basement frame (2) flats.
Owner—Chas. W. Higgins, 1306 Schrader St., San Francisco.
Architect—Edward E. Young, 251 Kearny St., San Francisco.
Day's work. COST, $10,000

ALTERATIONS
(1646) NE CALIFORNIA AND SANsome. New tile floor, repair wood and plaster work in offices.
Owner—Western Union Telegraph Co., 742 Market St., San Francisco.
Archntect—None.
Contractor—J. S. Malloch, 180 Jessie St., San Francisco.
COST, $1000

ALTERATIONS
(1647) NE CALIFORNIA AND SANsome. Tile floor, stairway and repair plaster work.
Owner—Western Union Telegraph Co., 742 Market St., San Francisco.
Architect—None.
Contractor—J. S. Malloch, 180 Jessie St., San Francisco.
COST, $1,000

ALTERATIONS
(1648) N W FILLMORE AND EDDY. General alterations for cigar store and doughnut mfg. store.
Owner—United Cigar Stores Co., 555 Howard St., San Francisco.
Architect—Jos. A. O'Shaughnessy, 555 Howard St., San Francisco.
Contractor—William Martin, 110 Jessie St., San Francisco.
COST, $3000

ALTERATIONS
(1649) NO. 4210 FORTY-THIRD AVE. Raise and make alterations to cottage.
Owner—Alive O. Beck, Premises.
Architect—Chas. F. Whittlesey, 555 Clayton St., San Francisco.
COST, $500

ALTERATIONS
(1650) NO. 700 FOURTEENTH ST. Alterations for cigar stand and card room.
Owner—R. D. McNeil.
Architect—None.
Contractor—F. Anderson, 2099 Market St., San Francisco.
COST, $1000

ALTERATIONS
(1651) NO. 924 GROVE. General alterations and changes for apartments
Owner—J. C. Queen, Premises.
Architect—None.
Contractor—L. J. Dutton, 904 O'Farrell St., San Francisco.
COST, $1800

ADDITION
(1652) NO. 337 HYDE. One-story addition to present four-story apartment house.
Owner—F. W. Moore, 308 Larkin St., San Francisco.
Architect—C. H. Barrett, Hotel Washington, San Francisco.
Contractor—O. C. Holt, 110 Jessie St., San Francisco.
COST, $9970

RESIDEINCE
(1653) W LUNADA WAY 200 S Mercedes Way. Two-story and basement frame residence.
Owner—Urban Realty & Improvement Ca., 85 Cerritos Ave., San Francisco
Architect—Harold G. Stoner, 85 Cerritos Ave., San Francisco.
Contractor—W. C. Duncan & Co., 85 Cerritos Ave., San Francisco.
COST, $17,000

REPAIRS
(1655) NO. 2631 MISSION ST. Repair fire damage to stores.
Owner—Hind & Co., Inc., 245 Montgomery St., San Francisco.
Architect—None.
Contractor—James Jensen, 550 Valencia St., San Francisco.
COST, $2,400

UNDERPIN
(1656) W POLK 25 S O'Farrell. Underpin present building.
Owner—E. L. Hueter, Flatiron Bldg., San Francisco.
Architect—None.
Contractor—Boxton and Zwleg, 1032 Hearst Bldg., San Francisco.
COST $900.

ALTERATIONS
(1657) SE PIERCE AND LOMBARD Sts. Alter for candy store and cigar stand.
Owner—Mr. Williard, 614 Call Bldg., San Francisco.
Architect—None.
Contractor—R. W. Moller, 614 Call Bldg., San Francisco.
COST, $500

MOVE RESIDENCE
(1658) NO. 2689 SAN JOSE AVE. Move residence from front of lot.
Owner—Ola Rasmuson, ———.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
COST, $1,429

MOVE RESIDENCE
(1659) NO. 2729 SAN JOSE AVE. Move residence from front of lot.
Owner—Ola Rasmuson, ———.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
COST, $1,326

MOVE RESIDENCE
(1660) NO. 2639 SAN JOSE AVE. Move residence from front of lot.
Owner—Katherine M. Taylor, 340 Church St., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
COST, $646

MOVE RESIDENCE
(1661) NO. 2909 SAN JOSE AVENUE. Move residence from front of lot.
Owner—Jeremiah Lynch, 2378 Folsom St., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
COST, $725

ADDITION
(1662) NO. 153 TWENTY-FIFTH AV. Add sub room and stairway to residence.
Owner—Mrs. H. T. Martin, 153 25th Ave., San Francisco.
Architect—None.
Contractor—Geo. C. Todhunter, 442 29th Ave., San Francisco.
COST, $800

**RECORDED**

CLASS "C" BLDG.
(1663) W MONTGOMERY 137-6 N Sutter N 34-4½xW 60. All work for reinforced concrete Class "C" building.
Owner—I. Strassburger.
Architect—Sylvain Schnaittacher, 233 Post St., San Francisco.
Contractor—G. P. W. Jensen, 320 Market St., San Francisco.
Filed June 22, '20. Dated June 15, '20.
On 3rd of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, $22,024
Bond, $11,012. Sureties, Frederick W. Snook and H. M. Schneider. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported June 17, '20, No. 1620.

RESIDENCE
(1664) E TWENTY-FOURTH AVE. 275 N Anza St. All work for a one-story and basement frame residence.
Owner—Wm. Bradford, 319 28th Ave., San Francisco.
Architect—None.
Contractor—Thos. E. Mohler, 380 5th Ave., San Francisco.
Filed June 22, '20. Dated June 21, '20.
Rough frame up.....$1,350
Brown coated ..... 1,350
Completed and accepted ..... 1,350
Usual 35 days ..... 1,350
TOTAL COST, $5,400
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE—Permit reported June 11, '20. No. 1576.

RESIDENCE
(1665) W THIRTY-FIRST AVE. 175 S CLEMENT. All work for one-story and basement frame residence.
Owner—Ambrose Herlihy, 307 7th St., San Francisco.
Architect—None.
Contractor—Thos. E. Mohler, 380 5th Ave., San Francisco.
Filed June 22, '20. Dated June 21, '20.
Rough frame up.....$1,250
Brown coated..... 1,250
Completed and accepted ..... 1,250
Usual 35 days ..... 1,250
TOTAL COST, $5,000
Bond, None. Limit, 90 days. Forfeit, none. Plans and specifications, none.
NOTE—Permit reported June 18, '20. No. 1627.

ALTERATIONS
(1654) NO. 446 MARKET. General alterations and changes for restaurant.
Owner—J. J. Olson, Premises.
Architect—None.
Contractor—Grimes & Drew, 134 Battery St., San Francisco.
COST, $750

**PERMITS**

REPAIRS
(1666) NO. 2629 CLAY. Repair fire damage to flats.
Owner—Dr. A. C. Griffith, 2142 Pierce St., San Francisco.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco.
COST, $550

GARAGE
(1667) NW FORTY-SEVENTH AVE and Moraga. One-story frame private garage.
Owner—Edwin H. Gradke, 1699 47th Ave., San Francisco.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1668) NO. 532 GRANT AVE. General alterations and changes for restaurant.
Owner—Shanghai Low, Premises.
Architect—None.
Contractor—John E. Beck, 110 Jessie St., San Francisco.
COST, $10,000

MARQUISE
(1669) NO. 964 MARKET. Erect galvanized iron marquise.
Owner—Dr. H. C. Medcraft, 964 Market St., San Francisco.
Architect—None.
Contractor—Federal Electric Co., 19 Minna St., San Francisco.
COST, $700

SHOP
(1670) SE OAK GROVE AND HARRISON. One-story frame blacksmith shop.
Owner—A. W. Kitchen, 110 Market St., San Francisco.
Architect—None.
Contractor—A. W. Kitchen & Co., 110 Market St., San Francisco.
COST, $500

ALTERATIONS
(1671) NO. 2803 SAN JOSE AVE. General alterations and changes for store and dwelling.
Owner—Antonio Melodia, Premises.
Architect—A. Melodit, 2803 San Jose Ave., San Francisco.
Contractor—F. Moriano, 621 Bosworth St., San Francisco.
COST, $1000

RESIDENCE
(1672) SW SANTA ROSA AND CAPISTRANO. One-story and basement frame residence.
Owner—Mission Terrace Co., 318 Kearny St., San Francisco.
Architect—H. C. Baumann, 251 Kearny St., San Francisco.
Contractor—H. Ahnefeld, 554 Anderson St., San Francisco.
COST, $4400

REPAIRS
(1673) N SEVENTEENTH 75 E Folsom Repair fire damage to store house.
Owner—Robert Wannemacher, 1049 Stanyan St., San Francisco.
Architect—None.
Contractor—John Diestel, 248 Russ Bldg., San Francisco.
COST, $2500

ALTERATIONS
(1674) NW SIXTH AND HUBBELL. Raise roof; concrete floor; add to concrete foundation for shop.
Owner—Golden Gate Milling Co., 6th and Hubbell, San Francisco.
Architect—None.
Day's work. COST, $500

GARAGE
(1675) NO. 1776 TURK ST. One-story frame private garage.
Owner—John Kroger, 909 York St., San Francisco.
Contractor—L. Klingmann, 715 16th Ave., San Francisco.
COST, $500

AUTO SALES ROOM
(1676) NE VAN NESS AVE AND O'Farrell. One-story reinforced concrete auto sales rooms.
Owner—Don Lee, California and Van Ness Ave., San Francisco.
Architect—Weeks & Day, Phelan Bldg., San Francisco.
Contractor—Lindgren Co., Monadnock Bldg., San Francisco.
COST, $10,000

ALTERATIONS
(1677) NO. 1616 VALLEJO. Cement floor and alter for private garage.
Owner—E. A. Schmitt, Premises.
Contractor—E. Rosenberg, 2519 Washington St., San Francisco.
COST, $500

AUTO SALES ROOMS
(1678) SW WASHINGTON AND VAN Ness Ave. Four-story reinforced concrete auto sales rooms and service shop.
Owner—L. D. Allen, Inc., 1625 Van Ness Ave., San Francisco.
Architect—Building Dept. of Owner.
Contractor—MacDonald & Kahn, 907 Rialto Bldg., San Francisco.
COST, $175,000

CONCRETE BLDG.
(1679) SW FOURTH 30 NW Freelon NW 50xSW 50. All work except concrete walls for one-story concrete building.
Owner—Anastasia O'Neill, 68 Post St., San Francisco.
Architect—L. A. Secor, 1562 Vallejo St., San Francisco.
Contractor—L. M. Weismann & Son, 1955 Market St., San Francisco.
Filed June 23, '20. Dated June 3, '20.
Trusses in place.....$948.75
Roof and glass in place..... 948.75
Accepted ..... 948.75
Usual 35 days..... 948.75
TOTAL COST, $3795.00
Bond, $1897.50. Surety, Thos. J. Guilfoy. Limit, 30 days. Forfeit, none. Plans and specifications filed.

SHEET METAL WORK
(1680) W MONTGOMERY 75 N Post W 160xN 100. Sheet metal work for two and three-story Class "A" building.
Owner—The First National Bank of San Francisco, NW Montgomery & Post Sts., San Francisco.
Architect—C. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor—United States Metal Products Co., 555 10th St., S. F.
Filed June 23, '20. Dated June 11, '20.
Monthly payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, $8895
Bond, $4450. Surety, American Indemnity Co., Limit, as required. Forfeit, none. Plans and specifications filed.

(1681) S BUSH 167-6 E Larkin. One-story reinforced concrete store.
Owner—A. F. Rousseau, 110 Sutter St., San Francisco.
Architect—Rousseau & Rousseau, 110 Sutter St., San Francisco.
Day's work. COST, $5000

FRAME FLATS
(1682) N CHESTNUT 200 E Laguna. Two-story and basement frame (2) flats.
Owner—Martin Kane, 1687 Greenwich St., San Francisco.
Architect—None.
Contractor—Frank Rossi, 1795 Filbert St., San Francisco.
COST, $3000

ALTERATIONS
(1683) NO. 110 GEARY. Install new story front; erect mezzanine floor, etc.
Owner—A. Rothberg, Premises.
Architect—None.
Contractor—S. Levi, 243 7th St., San Francisco.
COST, $2500

ALTERATIONS
(1684) NO. 951 MARKET. Alter front; install show windows, etc., for store.
Owner—Wm. C. Pomin, 975 Market St., San Francisco.
Architect—None.
Contractor—T. D. Gilmore, 126 McAllister St., San Francisco.
COST, $1000

REPAIRS
(1685) MARKET, HAYES & LARKIN. Repair sidewalk and recoat same with asphalt, rebrace concrete bulkhead on Hayes street side.
Owner—Charles Doe, 43 Main St., San Francisco.
Architect—None.
Contractor—Jas. B. McSheehy, 1147 Dolores St., San Francisco.
COST, $900

ALTERATIONS
(1686) E NINETEENTH 200 S Eureka. Raise concrete wall; cement floor and build runway for private garage.
Owner—J. Chiappelon, 258 Eureka St., San Franciscao.
Architect—None.
Contractor—S. A. Chase, 80 Douglas St., San Francisco.
COST, $500

FRAME FLATS
(1687) E NAPLES 50 S France. Two-story and basement frame (2) flats.
Owner—Angelo Crude, 707 Naples St., San Francisco.
Architect—None.
Day's work. COST, $4000

FRAME RESIDENCE
(1688) W SAN BRUNO 125 S Mariposa. Two-story frame residence.
Owner—John Kambich, 531 Vermont St., San Francisco.
Architect—None.
Day's work. COST, $3000

RESIDENCE
(1689) NW ST. FRANCIS WAY AND San Fernando Blvd. Two-story and basement frame residence and garage
Owner—Dr. Wallace B. Smith, 391 Sutter St., San Francisco.
Architect—Henry H. Gutterson, 278 Post St., San Francisco.
Contractor—John Morton, 180 Jessie St., San Francisco.
COST, $19,000

BOILERS
(1690) FOOT OF TAYLOR ST. Build up two boilers for cannery.
Owner—Paladini Cannery.
Architect—None.
Contractor—John Downey, 260 Natoma St., San Francisco.
COST, $770

**RECORDED**

MOVE RESIDENCE
(1691) SE SAN JOSE AVE 121.50 SW Whipple Ave; No. 2729 San Jose Ave. Moving, foundation, under pinning, inclosure, steps for one-story frame residence.
Owner—Ola Rasmuson.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed June 24, '20. Dated June 15, '20.
Moved and enclosed.....$663
Completed and accepted..... 663
TOTAL COST, $1326
Bond, $663. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported June 23, '20. No. 1659.

MOVE RESIDENCE
(1692) SE SAN JOSE AVE 75.5 SW Lawrence Ave; No. 2909 San Jose Ave. All work for cutting foundations, grading, underpinning, steps, etc., for one-story frame residence.
Owner—Jeremiah Lynch, 2378 Folsom St., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed June 24, '20. Dated June 21, '20.
Building moved and enclosed....$362
Completed and accepted..... 363
TOTAL COST, $725
Bond, $363. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported June 23, '20. No. 1661.

MOVE RESIDENCE
(1693) SE SAN JOSE AVE 81.62 NE Naglee Ave; No. 2639 San Jose Ave. All work for cutting, foundations, grading, underpinning, steps, etc., for one-story frame residence.
Owner—Katherine M. Taylor, 340 Church St., San Francisco.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed June 24, '20. Dated June 11, '20.
Building moved and enclosed....$323
Completed and accepted..... 323
TOTAL COST, $646
Bond, $363. Sureties, Wm. A. Rainey

and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported June 23, '20. No. 1660.

ALTERATIONS
(1694) S SACRAMENTO 156-3 W Fillmore W 50xS 132-6. Hardwood floor work for alterations of frame residence into apartments.
Owner—Lillie Asher.
Architect—C. O. Clausen, Hearst Bldg., San Francisco.
Contractor—Geary Floor Co., 110 Jessie St., San Francisco.
Filed June 24, '20. Dated Feb. 27, '20.
Roughing in done..... 50%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, $1975
Bond, limit, forfeit, none. Plans and specifications filed.

(1695) LATHING AND PLASTERING on above.
Contractor—A. Knowles, Call Bldg., San Francisco.
Filed June 24, '20. Dated Mar. 19, '20.
Brown coated ..... 50%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, $3400
Bond, limit, forfeit, none. Plans and specifications filed.

(1696) CARPENTER AND MILL work on above.
Contractor—J. Harold Johnson, 180 Jessie St., San Francisco.
Filed June 24, '20. Dated Feb. 19, '20.
25% on completion and acceptance of frame work.....
50% to be divided in payments as work progresses .....
25% usual 35 days after.....
TOTAL COST, $11,800
Bond, limit, forfeit, none. Plans and specifications filed.

(1697) ROOFING ON ABOVE.
Contractor—Malott & Peterson, Monadnock Bldg., San Francisco.
Filed June 24, '20. Dated Mar. 4, '20.
on Completion ..... 75%
Usual 35 days..... 25%
TOTAL COST, $318.50
Bond, limit, forfeit, none. Plans and specifications filed.

(1698) PAINTING, TINTING AND papering on above.
Contractor—C. B. Sovig, 3451 Geary St., San Francisco.
Filed June 24, '20. Dated Feb. 24, '20.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, $1345
Bond, limit, forfeit, none. Plans and specifications filed.

(1699) PLUMBING, GAS FITTING, etc., on above.
Contractor—W. J. Monihan, 3003 Sacramento St., San Francisco.
Filed June 24, '20. Dated Feb. 27, '20.
On installation of material and labor furnished..... 75%
Usual 35 days..... 25%
TOTAL COST, $2474
Bond, limit, forfeit, none. Plans and specifications filed.

(1700) STEAM HEATING, HOT water and storage tank on above.
Contractor—C. Petersen Co., 730 Larkin St., San Francisco.
Filed June 24, '20. Dated Feb. 19, '20.
Roughing in done..... 25%
**On completion** ..... 25%
**On completion and acceptance.** 25%
Usual 35 days..... 25%
TOTAL COST, $2450
Bond, limit, forfeit, none. Plans and specifications filed.

PERMITS

DWELLING
(1701) N BALBOA 32-6 E 34th Ave. One-story and basement frame dwelling.
Owner—W. C. Petersen, 610 Fillmore St., San Francisco.
Architect—None.
Day's work. COST, $4000

ALTERATIONS
(1702) SE ELLIS AND BOURBON. Present store to be added to hotel with rooms and baths; change stairways, etc.
Owner—F. W. Tamp, Cr. Architect.
Architect——Arthur G. Scholz, 839 Phelan Bldg., San Francisco.
Contractor—Schultz Constr. Co., 46 Kearny St., San Francisco.
COST, $8000

ALTERATIONS
(1703) N HOWARD bet. Second and Third. Cut in light shafts for rooming house.
Owner—Henry Mottet, Marley Hotel, San Francisco.
Architect—None.
Contractor—W. Horstmeyer Co., 31 Ord St., San Francisco.
COST, $5000

ALTERATIONS
(1704) NW NORTH POINT & HYDE. Minor changes for vegetable store.
Owner—Tony Franke, Premises.
Architect—None.
Contractor—K. C. Gardner, 335 Raymond Ave., San Francisco.
COST, $500

ALTERATIONS
(1705) NO. 146 TWELFTH AVE. Remodel front, painting, etc., for dwlg.
Owner—J. Silva, Premises.
Architect—None.
Contractor—E. Ginley, 131 5th Ave., San Francisco.
COST, $825

RECORDED

MOVE RESIDENCE
(1706) SE SAN JOSE AVE 10.24 NE Whipple; No. 2689 San Jose Ave. All work for moving foundations, underpinning, enclosure, steps, etc., for a one-story frame residence.
Owner—Ola Rasmuson.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Henry C. Matthies, 180 Jessie St., San Francisco.
Filed June 25, '20. Dated June 15, '20.
Moved and enclosed.....$714
Completed and accepted..... 715
TOTAL COST, $1429
Bond, $715. Sureties, Wm. A. Rainey and D. J. Sullivan. Limit, 40 days. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported June 22, '20. No. 1658.

MOVE RESIDENCE
(1707) SW MARKET ST. Extension & 23rd St. 100 ft. on Market St. Extension and 50 ft. on 23rd St. Moving, foundations, grading, underpinning, steps, etc., for one and one-half-story frame residence.
Owner—Jacob Weikert, Premises.
Architect—Lewis M. Gardner, 942 Pine St., San Francisco.
Contractor—Jas. A. Jenkins and R. Brown, 224 Falcon Ave., San Francisco.
Filed June 25, '20. Dated June 23, '20.
Building moved and enclosed....$719
Completed and accepted..... 719
TOTAL COST, $1438
Bond, $719. Sureties, J. F. Hamann and H. C. Jenkins. Limit, 40 days from date of contract. Forfeit, none. Plans and specifications filed.
NOTE:—Permit reported May 26, '20. No. 1406.

## COMPLETION NOTICES

SAN FRANCISCO COUNTY

June 24, 1920—SW FIFTEENTH Ave. and Geary W 142 S 100 E 39-5½ th 5 in. in SE direction ¾ in. E 102-5¾ th 100-5. Ben Schloss to The Turner Co., June 15; Same .....June 19, 1920
June 24, 1920—SW TWENTY-FIRST Ave. and Cabrillo E 30xS 100. Mildred Bos, M. B. and J. J. Driscoll to John Little.....June 11, 1920
June 24, 1920—N EDDY 112-6 E Polk E 25xN 120. Edward J. Lewis to Robert Cohen.....June 18, 1920
June 24, 1920—NW WASHINGTON and Laurel W 82-6xN 100. C. J. Hillard to Thos. F. Rigney.....
.....June 18, 1920
June 24, 1920—SW SOUTHWOOD Drive Dist. 1 NW from SE line lot 23 NW 94 S 9 deg. 45' 25" W 140, 428 S 75 deg. 22' E 72 N 16 deg. 41' 51" E 106.694 lot 22 ptn 23 and 24 Blk. 3196 Westwood Park. Amanda A. Olsen to Olaf Olsen....
.....June 23, 1920
June 24, 1920—NW ELLIS AND Jones. L. C. and Katherine T. Mendel to Standard Electric Constr. Co.....June 14, 1920
June 23, 1920.—SE FOURTH AND Perry S 80xE 125. L H Enemark, Trustee, to L F Fischer.June 22, 1920
June 23, 1920—E FORTY-EIGHTH Ave 120 N Cabrillo N 150xE 120. R N Gibson to whom it may concern.....June 2, 1920
June 23, 1920—N HAYES 137-6 E Gough. Richard Rountree to whom it may concern.....June 20, 1920
June 23, 1920—W FORTIETH AVE 31-8 N Geary N 80xW 65-939. Geo A Bertram to Theodore D and Rollin E Meyer.....June 23, 1920
June 23, 1920—W CONCORD 150 N Morse N 30xW 90. Patrick Horgan to Patrick Horgan.....June 23, 1920
June 23, 1920—E TAYLOR 24-6 N Sacramento 21-6x60. Jno M and Josephine Glennan to Thos F Barry.....June 23, 1920
June 23, 1920—E MISSION AND Spear NE 100xSE 100. Associated Oil Co to Barrett & Hilp.June 14, '20
June 19, 1920—E THIRTY-FIFTH AV 125 N Geary N 25xE 120. Lillian Green Acton and William B Acton to Meyer Bros.....June 18, 1920
June 18, 1920—LOT 3 BLK 1 St. Francis Wood Extn No. 1. Garden Homes Co to whom it may concern
.....June 17, 1920
June 18, 1920—LOT 22 BLK 24 St. Francis Wood Extn No. 2. Garden Homes Co to whom it may concern
.....June 10, 1920.
June 18, 1920—SW SEVENTH AND Natoma 75x125. T W Corder, Inc to Samuel Schell.....June 14, 1920
June 18, 1920—E FORTY-FIRST AVE 200 S Balboa S 25xE 120. W C Petersen to whom it may concern.....
.....June 18, 1920
June 21, 1920—S CALIFORNIA 82-6 W Front W 27-6xS 91-8. Walter H. Sullivan to George D. MacGruer and Robt. M. Simpson (as MacGruer & Simpson)....June 17, 1920
June 21, 1920—S CALIFORNIA 82-6 W Front W 27-6xS 91-8. Walter H. Sullivan to Fennell & Chisholm Standard Electric Construction Co., C. E. Gordan, The Turner Co.....
.....June 17, 1920
June 21, 1920—S CALIFORNIA 82-6 W Front W 27-6xS 91-8. Walter H. Sullivan to Richard J. H. Forbes..
.....June 19, 1920
June 21, 1920—LOT 26 PORTION LOT 27, BLK. 3166, Westwood Park. Frank C. Barnes to L. R. Barnes..
June 22, 1920—LOT 15 BLK 12, Crocker Amazon Tract. Martin Pearson to whom it may concern..
.....June 21, 1920

June 22, 1920— ENINETEENTH AVE 275 S Balboa S 25xE 120. Wm A Miller to whom it may concern... .....June 21, 1920

June 22, 1920—E NINETEENTH AVE 300 S Balboa S 25xE 120. Wm A Miller to whom it may concern... .....June 21, 1920

June 22, 1920—LOTS 10 AND 12 BLK 3166, Westwood Park. Hans Nelson to Nelson Bros.....June 17, 1920

June 22, 1920—SE EIGHTH AV AND Lincoln Way. Karl H Holmgren to whom it may concern...June 22, 1920

June 21, 1920—SW CALIFORNIA AND Battery S 89xW 103-8½. The Robt Dollar Co to Dinwiddie Construction Co.....June 1, 1920

June 21, 1920—E SEVENTH AVE. 175 Judah S 25xE 120. Philip Young to M. C. Warnock.....June 19, 1920

June 21, 1920—SW CALIFORNIA AND Battery S 89xW 103-8½. The Robert Dollar Co. by Dinwiddie Construction Co to A Knowles, Wm F. Wilson Co., Electrical Constr. Co., and California Steel Co..... .....June 1, 1920

June 21, 1920—E GOUGH 87-6 N California N 50 E 100 S 37-6 W 45 S 12-6 W 55. Edward E. Young to whom it may concern..June 21, 1920

## LIENS FILED

### SAN FRANCISCO COUNTY.

June 24, 1920—W THIRTY-SIXTH Ave. 125 S Lincoln Way S 25 W 120. Jos. Johnson vs. Edw. Landegrin ..... .....$252.70

## LEASES

### SAN FRANCISCO COUNTY.

June 19, 1920—SW GEARY & LARKIN. P J and wife Mary Gartland to Peter Anninos, Nestor Anninos and Peter Metaxas. 4 years 4 months. $71,720.

June 16, 1920—NO. 125 ELLIS SE Cor. Anna Lane. L I Scott and Alice S K Smith to Marguerite Fretor. 5 years. $22,500.

June 17, 1920—SE LARKIN & WASHington S 68-9xE 100. A F Rousseau to Lillie Pellegrino and Lucia Lomax. 5 years. $57,000.

June 24, 1920—N HAIGHT BET. Masonic Ave and Ashbury. Jacob and Kate Goldberg to United States of America. 10 years. $2,160.

June 24, 1920—NO. 1211 FILLMORE. Peter Rossi to Coleman Attell. 5 years. $95 per month.

June 23, 1920—SW EIGHTEENTH AND Mission S 85xW 160. Henrietta D Merrill to John K Milonas. 10 years. $42,000.

## Notice of Non-Responsibility

### SAN FRANCISCO COUNTY.

June 23, 1920—SE GRANT AVE AND Adler S 40xE 72. Paul A. & George Dupuy and Marie Lacost as to improvements on leased property.

June 18, 1920—SW SACRAMENTO & Gough W 100xS 55. Thos A Cavanagh vs Morris Stulsaft, M Stulsaft Co and Lafayette Invst Co..$430

June 18, 1920—SW SACRAMENTO & Gough W 100xS 55. Thos A Cavanagh vs Morris Stulsaft, M Stulsaft Co and Lafayette Invst Co... .....$20,602.15

June 18, 1920—NO. 60 GOETHE NE line. The Greater City Lumber Co vs Albert Miller .....$142.60

Tokyo will build three underground rapid transit tubes with a total length exceeding twenty miles to relieve its congested surface traffic.

## BUILDING CONTRACTS

### ALAMEDA COUNTY.

| | | | |
|---|---|---|---|
| 1389 | Koester | Owner | 3500 |
| 1390 | Novelty | Cox | 650 |
| 1391 | Damianakes | Nelson | 73172 |
| 1392 | Werner | Owner | 2500 |
| 1393 | MacGregor | Owner | 18750 |
| 1394 | Real | Button | 17000 |
| 1395 | O'Kane | Owner | 400 |
| 1396 | Shaw | Faulkes | 850 |
| 1397 | Blackman | Wallen | 4000 |
| 1398 | R C Archbishop | Furlong | 900 |
| 1399 | Rehillis | Bunney | 1000 |
| 1400 | 1st Pres Chr | Burlingame | 33900 |
| 1401 | Blackleoge | Lehman | 2000 |
| 1402 | Brazier | Owner | 2500 |
| 1404 | Mauzy | Hansson | 3793 |
| 1405 | La Rue | Owner | 3500 |
| 1406 | Pallaris | Okd Ref | 10000 |
| 1407 | Marre | Owner | 490 |
| 1408 | Mulverney | McPherson | 700 |
| 1409 | Saing | Noble | 700 |
| 1410 | Noble | Noble | 3000 |
| 1411 | Same | Same | 3500 |
| 1412 | Same | Same | 3500 |
| 1413 | Digerness | Owner | 900 |
| 1414 | Mauzy | Hansson | 3793 |
| 1415 | Nielson | Owner | 1000 |
| 1416 | Ardenyi | Rogers | 500 |
| 1417 | May | Pfrang | 1000 |
| 1418 | Cardoni | Campomenosi | 585 |
| 1419 | Hansen | Eilersen | 900 |
| 1420 | Shatuck ME | ChThompson | 500 |
| 1421 | Demotropulos | Corbett | 6500 |
| 1422 | Marx | Owner | 500 |
| 1423 | Fenton | Church | 475 |
| 1424 | Fageol | Owner | 2000 |
| 1425 | Westphal | Owner | 500 |
| 1426 | Barrett | Healy | 810 |
| 1427 | Blymyer | Allen | 400 |
| 1428 | Smith | Owner | 900 |
| 1429 | Kinney | Scott | 1950 |
| 1430 | Swenson | Smith | 1000 |
| 1431 | Lakeshore | Strang | 7700 |
| 1432 | Lakeshore | Strang | 7500 |

DWELLING
(1389) S WENTWORTH AVE 326 E Vicksburg, Oakland. 1-story five-room dwelling.
Owner—Chas. J. Koester, 378 Hayes St., San Francisco.
Architect—None.
Day's work. $3,500

SHED
(1390) S SIXTY-FIRST 100 W Lowell, Oakland. Shed.
Owner—Novelty Products Co.; 955 61st St., Oakland.
Architect—None.
Contractor—E. E. Cox, Hotel Berkeley, Berkeley. COST, $650

FACTORY
(1391) N TWENTIETH ST. 61.87 E San Pablo Ave. E 86.27 NE 114 NW 86.27 SE 35.33 SW 9.25 SW 78.12 Oakland. Three-story reinforced concrete factory.
Owner—N. P. Damianakes, 630 20th St., Oakland.
Architect—Reed & Corlett, Oakland Bank of Savings Bldg., Oakland.
Contractor—David Nelson & Charles Forsyth (Nelson & Forsyth), Easton Bldg., Oakland.
1st and 15th day of each month .....75%
Usual 35 days.....25%
TOTAL COST, $73172
Bond, 36,586. Sureties, Globe Indemnity Co.; Forfeit, none. Limit, 100 days. Plans and specifications filed.

DWELLING
(1392) E BAKER 70 N Russell, Berkeley. One-story 5-room dwelling.
Owner—Chas. A. Werner, 2416 10th St., Berkeley.
Architect—None.
Day's work. COST, $2500

DWELLINGS
(1393) S BLAKE 240, 280, 310, 350 and 390 E Baker, Berkeley. Five one-story 6-room dwellings.
Owner—C. M. MacGregor, 470 13th St., Oakland.
Architect—None.
Day's work. COST, $3750 each

APARTMENTS
(1394) W COLLEGE AVE 200 S Woolsey, Berkeley. Two-story 18-room apartments.
Owner—John Real, 3125 College Ave., Berkeley.
Architect—None.
Contractor—I. W. Button, 347 63rd St., Oakland. CAOST, $17,000

GARAGE
(1395) NO. 1017 ARLINGTON AVE., Oakland. Garage.
Owner—John J. O'Kane, Premises.
Architect—None.
Day's work. COST, $400

ALTERATIONS
(1396) NO. 2000 EIGHTY-NINTH AV., Oakland. Alterations.
Owner—S. Shaw, Premises.
Architect—None.
Contractor—J. R. Faulkes, 9828 E-14th St., Oakland. COST, $850

ALTERATIONS
(1397) NO. 4145 E-FOURTEENTH ST., Oakland. Alter into apartments.
Owner—E. L. Blackman, 4221 E-14th St., Oakland.
Architect—L. F. Hyde, 2745 26th Ave., Oakland.
Contractor—P. Wallin, 4628 Dolores Ave., Oakland. COST, $4000

ADDITION
(1398) NO. 3300 FRUITVALE AVE., Oakland. Addition.
Owner—Roman Catholic Archbishop of San Francisco., 1100 Franklin St., San Francisco.
Architect—None.
Contractor—Furlong & Budd, 1150 7th Ave., Oakland. COST, $900

ADDITIONS
(1399) NO. 2615 CHANNING WAY, Berkeley. Additions and repairs.
Owner—Mrs. E. Rehillis, Premises.
Architect—None.
Contractor—Alex Bunney, Premises. COST, $1000

ALTERATIONS
(1400) SE CHANNING WAY AND Dana E 150xS 35, Berkeley. All work for alterations and additions to church.
Owner—The First Presbyterian Church of Berkeley.
Architect—Geo. Rushforth, 354 Pine St., San Francisco.
Contractor—Geo. E. Burlingame, 2736 Russell St., Berkeley.
Filed June 21, '20. Dated June 21, '20.
¼ completed ..... 76%
½ completed ..... 76%
¾ completed ..... 76%
Completed ..... 76%
Usual 35 days..... 25%
TOTAL COST, $24,000
Bond, $12,500. Surety, New Amsterdam Casualty Co. Limit, 45 days. Forfeit, none. Plans and specifications filed.

DWELLING
(1401) N HASKELL 100 W Baker, Berkeley. One-story 4-room dwelling.
Owner—J. S. Blackledge, 562 16th St., Oakland.
Architect—None.
Contractor—John Lehman, 959 Apgar St., Oakland. COST, $2000

DWELLING
(1402) N LINCOLN 300 W California, Berkeley. One-story 5-room dwlg.
Owner—Jas. W. Brazier, 1261 Channing Way, Berkeley.
Architect—None.
Day's work. COST, $250

DWELLINGS
(1403) W BROADWAY 120, 160, 200, 240 and 280 N Ada St., Oakland. Five one-story 6-room dwellings.
Owner—Geo. H. Hollidge, 5926 Taft Ave., Oakland.
Architect—None.
Day's work. COST, $6000 each

REPAIRS
(1404) NW FOURTEENTH & GROVE, Oakland. Fire repairs.
Owner—W. P. Mauzy, Oakland.
Architect—None.
Contractor—Louis O. Hansson, 1409 Bonita St., Berkeley.
COST, $3793

DWELLING
(1405) E HARRINGTON AVE 425 N San Juan, Oakland. One-story four-room hollow tile dwelling.
Owner—W. C. La Rue, 5222 E-14th St., Oakland.
Architect—None.
Day's work. COST, $3500

ADDITION
(1406) NO. 1660 SEVENTH ST., Oakland. Addition.
Owner—Alex Patiaris, Premises.
Architect—None.
Contractor—Oakland Refrigerator & Butcher Supply Co., 2766 Grove St., Oakland.
COST, $1000

ALTERATIONS
(1407) NOS. 424-28 TENTH ST., Oakland. Alterations.
Owner—E. Marre Bros., Premises.
Architect—None.
Day's work. COST, $490

ADDITIONS
(1408) NO. 1521 HOPKINS ST., Berkeley. Addition.
Owner—H. Mulverny, Premises.
Architect—None.
Contractor—S. M. McPherson, 2157 Ashby Ave., Berkeley.
COST, $700

ALTERATIONS
(1409) NO. 918 LAFAYETTE, Alameda. Alterations.
Owner—Adam Saing, Premises.
Architect—None.
Contractor—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
COST, $700

DWELLING
(1410) NO. 1117 PEARL, Alameda. One-story 5-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, $3000

DWELLING
(1411) NO. 1133 PEARL, Alameda. One-story 6-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Architect—None.
Day's work. COST, $3500

DWELLING
(1412) NO. 2618 SAN JOSE AVE., Alameda. One-story 5-room dwelling.
Owner—Geo. H. Noble, 2205 Santa Clara Ave., Alameda.
Day's work. COST, $3500

ALTERATIONS
(1413) NO. 1023 TAYLOR, Alameda. Alterations.
Owner—J. Digerness, Premises.
Architect—None.
Day's work. COST, $900

REPAIRS
(1414) NW COR. FOURTEENTH AND Grove Sts., Oakland. Repairs.
Owner—Wm. P. Mauzy, Premises, Oakland.
Architect—None.
Contractor—Louis O. Hansson, 1409 Bonita St., Berkeley.
Filed June 23, '20. Dated June 23, '20.
Ready for plaster .....$900
Plastered ..... 900
Completed and accepted .....1043
Usual 35 days ..... 950
TOTAL COST, $3,793
Bone, none. Limit, 30 days. Forfeit, none. Plans and specifications none.

ALTERATIONS
(1415) NO. 5720 DOVER ST., Oakland. Alterations.
Owner—N. P. Nielson.
Architect—None.
Day's work. COST, $1,000

GARAGE
(1416) N FORTY-FIRST ST. 600 E Telegraph Ave., Oakland. Garage.
Owner—Dr. Jos. Ardenyi.
Architect—None.
Contractor—Jos. F. Rogers.
COST, $600

ADDITION
(1417) SW COR. KEITH AND McMillan, Oakland. Addition.
Owner—A. P. May, 5544 McMillan, Oakland.
Architect—None.
Contractor—H. C. Pfrang, 5956 Ocean View Drive, Oakland.
COST, $1,000

ADDITION
(1418) NO. 6240 LAWTON AVE., Oakland. Addition.
Owner—A. Cardoni, Premises.
Architcet—None.
Contractor — E. Campomenosi , 5238 Lawton Ave., Oakland.
COST, $585

ADDITION
(1419) NO. 2210 MITCHELL ST., Oakland. Addition.
Owner—C. Hansen, Premises.
Architect—None.
Contractor—R. D. Elersen, 3416 Elmwood Ave., Oakland.
COST, $900

ADDITION
(1420) NE COR. SIXTY-THIRD ST. and Shattuck Ave., Oakland. Addition.
Owner—Shattuck Ave. M. E. Church.
Architcet—None.
Contractor—E. A. Thompson, 666 60th St., Oakland.
COST, $500

ALTERATIONS
(1421) NO. 417 TWELFTH ST., Oakland. Alterations restaurant.
Owner — Demotropulos and Canelli, Premises.
Architect—None.
Contractor—Corbett & Bayliss, 1110 Franklin St., Oakland.
COST, $6,500

ADDITION
(1422) NO. 468 CHETWOOD ST., Oakland. Addition.
Owner—A. Marx, Premises.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1423) S FORTY-FIRST 120 W Howe St., Oakland. Alterations.
Owner—Fenton Creamery Co., Premises.
Architect—None.
Contractor—A. A. Church, 859 58th St., Oakland.
COST, $475

SHED
(1424) E HOLLYWOOD BLVD. BET. 106th and 107th Aves., Oakland. Shed
Owenr—Fageol Motor Co., Premises.
Architect—None.
Day's work. COST, $2,000

GARAGE
(1425) NO. 1933 HARRISON ST., Oakland. Garage.
Owner—J. C. Westphal, Premiaes.
Architect—None.
Day's work. COST, $500

ALTERATIONS
(1426) NO. 383 JAYNE, Oakland. Alterations and repairs and erect garage.
Owner—W. R. Barrett, San Francisco.
Architect—None.
Contractor—R. J. Healy, 842 37th St., Oakland.
COST, $810

GARAGE
(1427) NO. 220 HILLCREST ROAD, Berkeley. Garage.
Owner—F. G. Blymyer, Premises.
Architect—None.
Contractor—F. E. Allen, 2718 Regent St., Berkeley.
COST, $400

DWELLING
(1428) N E-FOURTEENTH ST. 268 E-52d Ave., Oakland. One-story four-room dwelling.
Owner—C. J. Smith, 5222 E-14th St., Oakland.
Architect—None.
Day's work. COST, $900

ALTERATIONS
(1429) NE COR. FIFTY-FIRST AND Telegraph Ave., Oakland. Alterations.
Owner—R. W. Kinney, 9th and Franklin Sts., Oakland.
Architect—None.
Contractor—G. A. Scott, 685 23rd St., Oakland.
COST, $1,950

ALTERATION AND ADDITION
(1430) NO. 91 FORTY-FIRST ST., Oakland. Alterations and addition.
Owner—J. A. Swenson, 54 Glen Ave., Oakland.
Architect—None.
Contractor—S. P. Smith, 1815 63rd St., Oakland.
COST, $1,000

DWELLING
(1431) S HUBERT ROAD 250 W Sunnyhill, Oakland. Two-story six-room dwelling.
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $7,700

DWELLING
(1432) N SUNNYHILL ROAD 150 W Hubert Road, Oakland. Two-story six-room frame dwelling.
Owner—Lakeshore Highlands Co.
Architect—None.
Contractor—F. N. Strang, 1405 Central Ave., Alameda.
COST, $7,500

## COMPLETION NOTICES

### ALAMEDA COUNTY.

June 24, 1920—E FRANKLIN ST. 60-3 N 14th St, N 145-9 E 150 S 145-9 W 47-10½ S 60-3 W 30-6 N 60-3 W 7-7½, Oakland. B. E. Cotton Sec. Archon Co. to California Artistic Metal & Wire Co.....June 22, 1920

June 24, 1920—W 40 LOT 1 BLK. P East Piedmont Heights, Oakland. C. W. and Ruth Clarke White to Alex C. Wieben .....June 23, 1920

June 23, 1920—LOT 3, BLK. C. Lakeshore Terace, Oakland. J. D. Fink to whom it may concern.....June 23, 1920

June 22, 1920—OPP. BEACH and Halleck St. Crossing, Emeryville. California Packing Corp to C Christensen & Son.....June 18, 1920

June 22, 1920—LOT 3 BLK 6 Map Resbdvn Lots 7, 8, 9, 10, 11, 12, 13, 14 and 15 Blk 6, Highland Sbdvn Adams Point Ppty, Okd. Lydia E and William C Wood to Edwin C Graff.....June 15, 1920
June 22, 1920—NW TWENTY-FIRST and San Pablo Ave, Okd. Ben O Johnson, Chas E Snook and Berta L Thomas to G E Scott..June 16, 1920
June 21, 1920—LOT 1, BLK. 5, MAP Wheeler Tract, Berkeley. Marie Louise Boutin to Verne Dildine .....June 21, 1920
June 21, 1920—LOTS 8 to 24 inclu. and ports Lots 4, 5, 6, 7, 25, 26, 27, 28, 29, 30, 31 and 32, Map R. J. McMullens Subdivision Blk. 576, etc., Oakland. Pacific Coast Shredded Wheat Co. to Henry Gervais .... .....May 4, 1920
June 17, 1920—NW NINETY-SIXTH Ave and E-14th St., Okd. Bank of San Leandro to Scott Co.May 24, 1920
June 17, 1920—NW NINETY-SIXTH Ave and E-14th St., Okd. Bank of San Leandro to Scott Co.May 24, 1920

## LIENS FILED

### ALAMEDA COUNTY.

June 24, 1920—LOT 19, BLK. D Lakewood Park, Piedmont. Harry B. Williams vs. Huston Kier and M. Musser .....$46.40

ALAMEDA HOMESTEADS.....
June 24, 1920—SW CLINTON AVE. 196 SE Paru St. SE 49 SW 150, Alameda. Emily Josephson (wf Frederick .....$4,000
June 24, 1920—E MARKET ST. 125 S Alicia St. S 25 E 117.94 N 28.96 E 103.30, Oakland. Florence Alice Peters (wf Arnold G.).....$5,000
June 23, 1920—W Encinal St. 150 N Santa Clara Ave. N 50 W 184-3, Alameda. S. Paulovich.....$2,000
June 23, 1920—E CEDAR ST. 520 S Clinton Ave. E 130 S 211.45 NW 74.85 NW 73.75 N 139.60, Oakland. C. H. Thane vs. Edward A. and Florence R. Allen.....$136

## HOMESTEADS

### ALAMEDA COUNTY.

June 21, 1920—(1) N 30 LAND CONveyed by James Millington to Sherman J. Fish deed recorded Liber 87 of ded page 414; (2) W Versailles Ave. 2 S land conveyed by First Presbyterian Church of Alameda to H. M. Hammond deed recorded 2366 of deeds, page 264 S 6 W 141, Alameda. Emma H. Anderson (wf Charles).....$2,250
June 21, 1920—E LAWTON AVe., 36 S Clifton St. S 36 E 108, Oakland. Anna Free (wf Frank E.).....$4,000
June 18, 1920—S THIRTY-FOURTH 69-6 E Magnolia E 35-3xS 100, Okd. Filomena Tedesco (wf Salvatore) .....$3500
June 18, 1920—SE SIXTEENTH AND Linden Sts., S 40 E 80, Oakland. Ben L. Bailey .....$5,000
June 19, 1920—NW 41 LOT 3, BLK. D Map Clinton Mound Tract, Okd. Eda A. Holtog (wf John T.)..$7,500
June 19 1920—SW SIXTIETH AND Idaho Sts. S 110 W 75 S 30 W 75 N 20 E 70 N 110 E 80, Ok. David E. Hart .....$4,000

## BUILDING CONTRACTS

### SANTA CLARA COUNTY.

ALTERATIONS
NOS. 52-54 S-FIRST ST., San Jose. Alterations.
Owner—Mrs. W. Leete, San Jose.
Architect—Clarence Tantau, Clunie Bldg., San Francisco.
Contractor—W. Harper, 431 Holly Park Circle, San Francisco.
COST, $24,000

ALTERATIONS
NO. 156 S-FIRST ST., San Jose. Alterations.
Owner—H. W. Stackpole, 3 N-First St., San Jose.
Architect—H. Krause, 126 S-First St., San Jose.
Contractor—G. M. Latta, 81 E-William St., San Jose.
COST, $2000

ALTERATIONS
W SANTA CLARA ST. near San Pedro, San Jose. Alterations.
Owner—F. B. Gilger, Arden Apartments, San Jose.
Architect—None.
Day's work. COST, $500

ADDITIONS
FOURTH AND MARGARET STS., San Jose. Additions.
Owner—H. G. Knapp & Son, 1022 S-1st St., San Jose.
Architect—None.
Day's work. COST, $5000

OFFICE BUILDING
NO. 384 W-SANTA CLARA ST., San Jose. Office building.
Owner—Hubbard & Carmichael Bros., Premises.
Architect—None.
Contractor—F. L. Hoyt, 566 N-16th St., San Jose.
COST, $5000

COTTAGE
400 BLOCK N-TWELFTH ST., San Jose. Four-room cottage.
Owner—John Waldon, 152 N-Third St., San Jose.
Architect—None.
Day's work. COST, $1000

ADDITION
NO. 220 PARK AVE., San Jose. Addition.
Owner—Mrs. V. Brady, Premises.
Architect—None.
Contractor—M. Buck, San Jose.
COST, $500

ADDITION
NO. 951 S-THIRD ST., San Jose. Addition.
Owner—A. E. Wilson, Premises.
Architect—None.
Contracter—T. M. Mannott.
COST, $400

## COMPLETION NOTICES

### SANTA CLARA COUNTY.

Recorded Accepted
June 23, 1920—NO. 4 SALVATIETTA St., Stanford University Grounds. Chinese Students Club to whom it may concern.....June 11, 1920
June 24, 1920—LOT 57 Walsh Residence Tract Map No. 2, San Jose. John T Walsh to whom it may concern.....June 23, 1920
June 24, 1920—COLE REALTY CO. subd, San Jose. L C Rossi to whom it may concern.....June 1, 1920

## LIENS FILED

### SANTA CLARA COUNTY.

Recorded Amount
June 23, 1920—SUBD "A" BLK 95, San Martin Rancho Map 3, San Martin. Adams Lumber Co vs Fred Godonio (also known as Fred Garbini) and George Godonia....$695.85

## BUILDING CONTRACTS

### SAN JOAQUIN COUNTY.

OFFICE BLDG.
CHANNEL AND SUTTER ST., Stockton. Five-story reinforced concrete office building.
Owner—Western States Gas & Electric Company.
Architect—Davis, Heller & Pearce Co., Belding Bldg., Stockton.
Contractor—Davis, Heller & Pearce Co., Belding Bldg., Stockton.
COST, $42,000

RESIDENCES
NO. 1525-27 SOUTH AURORA ST., Stockton. Two frame residences.
Owner—Ramsey-Emerson Co., Record Bldg., Stockton.
Architect—None.
Day's work. COST, $1800 and $2600

ALTERATIONS
NO. 735 E-LAFAYETTE ST., Stockton. Remodel building.
Owner—A. D. Ray, Premises.
Architect—None.
Day's work. COST, $2000

## COMPLETION NOTICES

### SAN JOAQUIN COUNTY.

Recorded Accepted
June 22, 1920—S ½ OF LOTS 9 AND 11 Blk 16, W-Stockton. W E Dawson to T E Williamson..... .....June 18, 1920

## LIENS FILED

### SAN JOAQUIN COUNTY.

Recorded Amount
June 22, 1920—PTN OF SECTION 4 T 2 S, R 7 E-Stockton. Home Lumber Co (a cptn) vs Nile Garden Canning Co .....$2168.28
June 19, 1920—LOT 23 NILE GARden Tract of Farms No. 5 being part of Sec. 18, Tp. 2 S., R. 7 E. San Joaquin Co. Manteca Lumber Co. vs. J. C. Jensen, Andrew Jensen and Charley Jensen ....$1,023.53

## BUILDING CONTRACTS

### SACRAMENTO COUNTY.

ALTERATIONS
NO. 2100 THIRD ST., Sacramento. Remodel dwelling for store.
Owner—M. S. Souza, 2030 3rd St., Sacramento.
Architect—None.
Contractor—J. A. Lucas, 1604 V St., Sacramento.
COST, $2,500

DWELLING
NO. 2020 NINTH ST., Sacramento. One-story seven-room frame and stucco dwelling.
Owner—Herndon & Finnigan, 1814 17th St., Sacramento.
Architect—None.
Day's work. COST, $5,000

ALTERATIONS
NO. 1008 K ST., Sacramento. Remodel front and interior of store.
Owner—Sacramento Hotel Co., 1004 K St., Sacramento.
Architect—None.
Contractor—Herndon & Finnigan, 1814 17th St., Sacramento.
COST, $3000

ALTERATIONS
NO. 2431 H ST., Sacramento. Alterations.
Owner—T. L. Enwright.
Architect—None.
Contractor—A. W. Norris, 3012 G St., Sacramento.
COST, $4400